CONSTRUCTION NEWS

Engineering News-Record, November 1, 1923

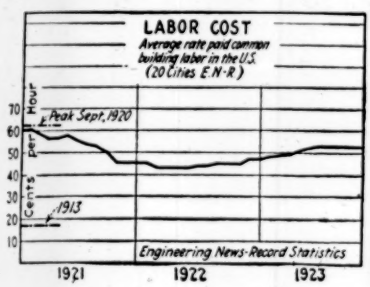
The Construction Barometer

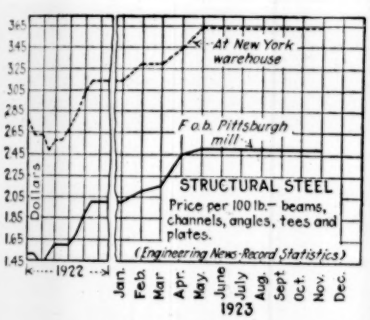
Prices Stable—Seasonal Slowness Pervades Market—Buyers Covered on Basic Materials

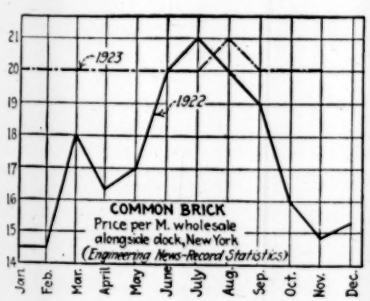
WHILE there has been a certain amount of price recession in building materials, during the last two weeks, the items affected were mainly those used in frame building construction. Steel structurals, cement and pine timbers have remained firm at present levels, during the last month. Douglas fir, however, shows a slight upward trend due to the influence of Japanese demand.

The volume of pig-iron buying has not been large enough to justify a maintenance of the recent high production rate, hence, the weakness in price.

The average common labor rate (54c. per hr.) has not varied since June. Meanwhile, wage schedules for the skilled trades have been steadily advancing. Higher wages are offset by the slight downward trend in certain prices. New buying is slow, however, owing to seasonal influences and the fact that purchasers are covered for months ahead on basic materials.




At New York warehouse
F.o.b. Pittsburgh mill
STRUCTURAL STEEL
Price per 100 lb.— beams, channels, angles, tees and plates.
(Engineering News-Record Statistics)
Dollars
1922
Jan. Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov. Dec.
1923


1923
1922
COMMON BRICK
Price per M. wholesale alongside dock, New York
(Engineering News-Record Statistics)
Jan. Feb. Mar. April May June July Aug. Sep. Oct. Nov. Dec.

Engineering News-Record Statistics

VALUE OF LARGE CONTRACTS LET IN THE UNITED STATES

Week Ended	Public Work	Private Work	Total Contracts
Oct. 11	$16,047,000	$16,019,000	$32,066,000
Oct. 18	17,421,000	44,487,000	61,908,000
Oct. 25	8,452,000	16,583,000	25,035,000
3 weeks	$41,920,000	$77,089,000	$119,009,000

LARGE BUILDING CONTRACTS—NUMBER AND VALUE

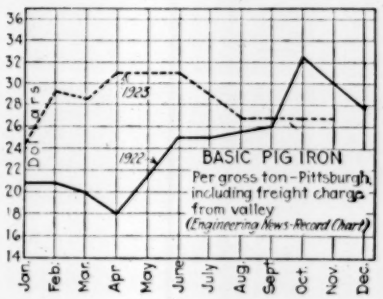
Week Ended	Public No.	Public Work	Private No.	Private Work
Oct. 11	14	$3,994,000	33	$11,490,000
Oct. 18	9	1,844,000	35	13,968,000
Oct. 25	6	1,721,000	24	9,184,000
3 weeks	29	$7,559,000	92	$34,642,000

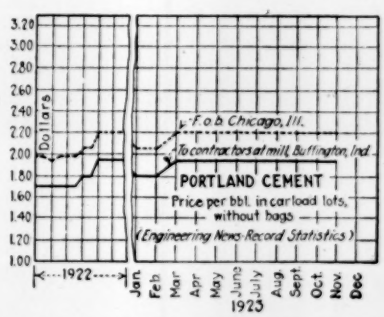
NUMBER OF LARGE JOBS NOW OUT FOR BIDS

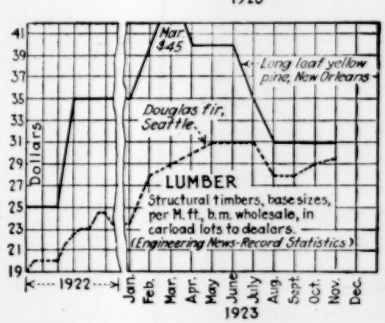
Week Ended	Private	All	Public: Streets and Roads	Public: Waterworks and Sewers	Public: All Buildings
Oct. 11	31	205	55	24	54
Oct. 18	26	144	32	34	33
Oct. 25	26	157	42	31	36

BASE PRICES UNCHANGED IN THREE WEEKS

	Quoted on Nov. 1, at	Price was	On
Structurals, Pittsburgh, 100 lb.	$2.50	$2.50 @2.60	June 21
Cement, Chi., net bbl.	2.20	2.05	Feb. 1
Pine, N. Y., M.ft.	62.00	61.00	Oct. 4
Fir, San Fran., M.ft.	41.00	42.00	Sept. 27
Common labor, hr.	0.54	0.53	June 28


Dollars
1923
1922
BASIC PIG IRON
Per gross ton—Pittsburgh, including freight charges from valley
(Engineering News-Record Chart)
Jan. Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov. Dec.


Dollars
F.o.b. Chicago, Ill.
To contractors at mill, Buffington, Ind.
PORTLAND CEMENT
Price per bbl. in carload lots, without bags
(Engineering News-Record Statistics)
1922
Jan. Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov. Dec.
1923


Mar. $45
Long leaf yellow pine, New Orleans
Douglas fir, Seattle
Dollars
LUMBER
Structural timbers, base sizes, per M. ft. b.m. wholesale, in carload lots to dealers
(Engineering News-Record Statistics)
1922
Jan. Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov. Dec.
1923

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
Nov. 5	Haledon, N. J.	Oct. 11
Nov. 5	El Segundo, Calif.	Oct. 25
Nov. 5	Denver, Colo.	Nov. 1
Nov. 6	Stockton, Calif.	Oct. 25
Nov. 6	Moorehead, Miss.	Oct. 25
Nov. 8	Grand Rapids, Mich.	Oct. 25
	Adv. Oct. 25 and Nov. 1.	
Nov. 8	Corning, N. Y.	Nov. 1
	Adv. Nov. 1.	
Nov. 9	New York, N. Y.	Nov. 1
Nov. 13	Woodbury, N. J.	Nov. 1
	Adv. Nov. 1.	
Nov. 13	Clifton, N. J.	Nov. 1
Nov. 15	Chatham, N. J.	Nov. 1
	Adv. Nov. 1	
Nov. 20	Ponchatoula, La.	Oct. 25
	Adv. Oct. 25 and Nov. 1.	
Dec. 23	New Holstein, Wis.	Oct. 11

SEWERS

Bids Close		See Eng. News-Record
Nov. 3	Cleveland, O.	Nov. 1
Nov. 5	Hollister, Calif.	Oct. 25
Nov. 5	Ford City, Pa.	Nov. 1
Nov. 7	Freehold, N. J.	Oct. 25
	Adv. Oct. 25 and Nov. 1.	
Nov. 7	Zanesville, O.	Nov. 1
Nov. 13	Winona, Minn.	Nov. 1
Nov. 13	Wash., D. C.	Nov. 1
	Adv. Nov. 1.	
Nov. 16	Louisville, Ky.	Nov. 1
	Adv. Oct. 25 and Nov. 1.	
Nov. 20	Ponchatoula, La.	Oct. 25
	Adv. Oct. 25 and Nov. 1.	
Nov. 20	Bartlesville, Ark.	Nov. 1
Dec. 10	New Orleans, La.	Oct. 11
	Adv. Oct. 11 to Nov. 1.	
Dec. 23	New Holstein, Wis.	Oct. 11

BRIDGES

Bids Close		See Eng. News-Record
Nov. 5	Fremont, O.	Oct. 11
Nov. 6	Quitman, Miss.	Oct. 11
Nov. 6	Florida	Oct. 25
	Adv. Oct. 25 and Nov. 1.	
Nov. 7	Minnesota	Oct. 18
Nov. 9	New Jersey	Oct. 25
	Adv. Oct. 25 and Nov. 1.	
Nov. 9	Winfield, Kan.	Nov. 1
Nov. 12	Jacksonville, Fla.	Oct. 25
Nov. 14	Spencer, Ia.	Nov. 1
Nov. 16	Society Hill, S. C.	Nov. 1
	Adv. Nov. 1.	
Nov. 22	Prairie Siding, Ont.	Nov. 1
Nov. 26	Alabama	Oct. 25
Nov. 27	New Jersey	Nov. 1
	Adv. Oct. 25 and Nov. 1.	
Nov. 30	Sydney, Australia	Apr. 19
May 1	Tientsen, North China	Oct. 11

RAILWAYS

Mar. 18	New Zealand	Sept. 20

Bids Close — See Eng. News-Record

EXCAVATION, DRAINAGE IRRIGATION

Nov. 8 Newark, N. J. ....Nov. 1
Adv. Nov. 1.
Nov. 9 Oroville, Calif. ....Nov. 1

STREETS AND ROADS

Nov. 5 Okeechobee, Fla. ....Oct. 25
Nov. 5 Hondo, Tex. ....Oct. 11
Nov. 5 St. George, N. Y. ....Nov. 1
Nov. 5 Okmulgee, Okla. ....Nov. 1
Nov. 5 Phila., Pa. ....Nov. 1
Nov. 6 Marlin, Tex. ....Oct. 18
Nov. 6 Washington ....Oct. 4
Nov. 6 Stockton, Calif. ....Oct. 25
Nov. 6 Sebring, Fla. ....Oct. 25
Nov. 6 Louisiana ....Oct. 25
Nov. 6 Michigan ....Oct. 25
Nov. 6 Center, Tex. ....Oct. 25
Nov. 6 Cameron, Tex. ....Oct. 25
Nov. 6 New Albany, Miss. ....Oct. 25
Nov. 6 Mendota, Minn. ....Oct. 25
Nov. 6 Warsaw, Ind. ....Nov. 1
Nov. 7 Minnesota ....Oct. 18
Nov. 7 Clarksville, Tex. ....Oct. 25
Nov. 7 Nevada ....Oct. 25
Nov. 7 Wyoming ....Nov. 1
Nov. 7 Denver, Colo. ....Nov. 1
Nov. 8 Brooklyn, N. Y. ....Nov. 1
Nov. 8 Porterville, Calif. ....Nov. 1
Nov. 9 Michigan ....Nov. 1
Nov. 12 Dallas, Tex. ....Oct. 25
Nov. 13 Alabama ....Oct. 25
Nov. 13 Maryland ....Nov. 1
Adv. Nov. 1.
Nov. 13 California ....Nov. 1
Nov. 14 Coleman, Tex. ....Oct. 25
Nov. 14 Millville, N. J. ....Nov. 1
Adv. Nov. 1.
Nov. 16 New York ....Nov. 1
Adv. Nov. 1.
Nov. 17 Tonawanda, N. Y. ....Nov. 1
Adv. Nov. 1.
Nov. 19 Waco, Tex. ....Nov. 1
Nov. 26 Alabama ....Nov. 1

INDUSTRIAL WORK

Nov. 5 Phila., Pa. ....Nov. 1
Nov. 8 Palmyra, N. Y. ....Oct. 11
Adv. Oct. 11 to Nov. 1.
Nov. 8 Vischers Ferry, N. Y. ....Oct. 25
Adv. Oct. 25 and Nov. 1.
Nov. 15 Yonkers, N. Y. ....Nov. 1

BUILDINGS

Nov. 5 Louisville, Ky. ....Nov. 1
Nov. 6 Trenton, N. J. ....Oct. 25
Nov. 6 Louisville, Ky. ....Nov. 1
Nov. 7 Phila., Pa. ....Nov. 1
Nov. 8 Dayton, O. ....Oct. 25
Nov. 12 Cincinnati, O. ....Oct. 25
Nov. 12 Appleton, Wis. ....Oct. 25
Nov. 13 Brooklyn, N. Y. ....Oct. 25
Nov. 14 Central Islip, N. Y. ....Nov. 1
Adv. Nov. 1.
Nov. 15 Hartford, Conn. ....Nov. 1
Nov. 15 St. Louis, Mo. ....Nov. 1
Nov. 23 Sedalia, Mo. ....Nov. 1
Nov. 26 Galveston, Tex. ....Nov. 1
Nov. 28 Middletown, N. Y. ....Nov. 1
Adv. Oct. 25 and Nov. 1.
Nov. 30 Maggie, W. Va. ....Oct. 4
Dec. 1 Charleston, W. Va. ....Oct. 25

FEDERAL GOVERNMENT WORK

Nov. 2 Pipe, Specials, etc.—Fort Mifflin, Pa. ....Nov. 1
Nov. 5 Post Office—Hoosick Falls, N. Y. ....Oct. 11
Nov. 5 Pump, etc.—Presidio (San Francisco P. O.), Calif. ....Oct. 18
Nov. 6 Quarters—Baltimore, Md. ....Oct. 18
Nov. 6 Sewer Pipe—American Falls, Idaho ....Oct. 11
Nov. 7 Extension—Pearl Harbor, H. T. ....Sept. 20
Nov. 7 Rebuilding Laundry—Great Lake, Ill. ....Nov. 1
Adv. Nov. 1.
Nov. 8 Road—Oregon ....Nov. 1
Nov. 9 Road—Nevada ....Nov. 1
Nov. 10 Quarters — Hot Springs, Ark. ....Oct. 18
Nov. 10 Breakwater—Indiana Harbor, Ind. ....Oct. 18
Adv. Oct. 18 to Nov. 1.
Nov. 13 Road—California ....Nov. 1
Nov. 14 Storehouse—Pearl Harbor, H. T. ....Sept. 27
Nov. 14 Post Office—Carroll, Ia. ....Oct. 18
Nov. 14 Fuel Oil Storage—Mare Island, Calif. ....Oct. 25
Nov. 16 Quarters, etc.—Fort Benning, Ga. ....Oct. 25
Adv. Oct. 25 and Nov. 1.
Nov. 20 Post Office—Central City, Neb. ....Oct. 18
Nov. 20 Barges—Chicago, Ill. ....Oct. 25
Nov. 21 Sewer—American Falls, Idaho ....Oct. 25
Nov. 21 Post Office—Steubenville, O. ....Oct. 25

Bids Close — See Eng. News-Record

Nov. 21 Dredging—Puget Sound, Wash. ....Nov. 1
Nov. 23 Barges—Louisville, Ky. ....Oct. 25
Adv. Oct. 25 and Nov. 1.
Nov. 23 Post Office—Ripon, Wis. ....Nov. 1
Adv. Nov. 1.
Nov. 24 Dredging—New York, N. Y. Oct. 25
Adv. Oct. 25 and Nov. 1.
Nov. 26 Post Office—Mystic, Conn. ..Nov. 1
Nov. 27 Barge—New Orleans, La. ...Nov. 1
Adv. Nov. 1.
Nov. 27 Water Supply System—American Falls, Idaho ....Nov. 1
Adv. Nov. 1.
Nov. 27 Post Office—Gallipolis, O. Nov. 1
Adv. Nov. 1.
Nov. 30 Dam—Quebradillas, P. R. .Sept. 27
Nov. 30 Dredging, etc.—New York, N. Y. ....Nov. 1
Adv. Nov. 1.
Dec. 1 Steel Barges—Mobile, Ala. .Oct. 25
Adv. Oct. 25 and Nov. 1.

UNCLASSIFIED

Nov. 5 Tractor, etc. — Shorewood (Milwaukee P. O.) Wis. ....Nov. 1
Nov. 5 Fire Alarm System—Coney Island (Brooklyn P. O.), N. Y. ....Nov. 1
Nov. 6 Sprinkler Truck—Calexico, Calif. ....Oct. 25
Nov. 7 Board Walk—Spring Lake, N. J. ....Oct. 11
Adv. Oct. 11 to Nov. 1.
Nov. 10 Tunnel—Oroville, Calif. ....Nov. 1
Nov. 12 Tractors—Dallas, Tex. ....Oct. 25
Nov. 12 Borings for Subway—Oakland, Calif. ....Oct. 25
Nov. 13 Subway—New York, N. Y. .Nov. 1
Nov. 15 Ferry Landing—New Orleans, La. ....Oct. 18
Nov. 26 Portland Cement—Los Angeles, Calif. ....Oct. 18
Dec. 4 Dragline Machines—Greenville, Miss. ....Nov. 1
Adv. Nov. 1.
Jan. 3 Aluminum Steel Cored Cable, etc.—Melbourne, Australia ....Nov. 1
Adv. Nov. 1.
Jan. 19 Transformers, etc.—Melbourne, Australia ....Oct. 18
Feb. 28 Headworks — Wellington, New Zealand ....May 24
Mar. 31 Hopper Dredge — Brisbane, Queensland, Australia. ....Nov. 1

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

Conn., Middletown—Water Dept. plans pumping station on Highland Ave. $40,000. J. W. Mylchrest, city engr.

Pa., McKeesport—Election Nov. 6, to vote on $233,000 bonds for extending stand pipe, additional filter beds, etc., for waterworks system. J. E. Crossland, city clk.

Va., Staunton—Plans election to vote on $700,000 bonds for waterworks improvements.

N. C., Durham—Having surveys made extending water system, incl. new mains, plant, large dam on Flat River to create 4 billion gal. reservoir. Will probably build hydro electric plant. R. W. Rigsbee, city mgr.

N. C., Elon College—See "Buildings."

La., Gibsland—Nov. 8, to vote on $50,000 bonds for waterworks, distribution mains and electric light plant. E. T. Archer, New England Bldg., Kansas City, Mo., engr. Noted Oct. 18.

Tenn., Nashville — Plans to modernize waterworks plant, additional force mains, pumping equipment, etc. $2,000,000. H. E. Howse, mayor. Noted Aug. 2.

Tenn., Watertown—Plans to issue $50,000 bonds for waterworks improvements. Noted July 26.

Ky., Paducah—See "Streets and Roads."

O., Rocky River—Plans waterworks and filtration plant. $300,000. E. H. Arnold, city engr.

O., Struthers — Mahoning Valley Water Co., 403 Mahoning Bank Bldg., Youngstown, plans to purchase machinery and equipment for new filtration plant, here. $20,000. G. T. Evans, supt.

Mich., Ferndale—Voted $30,000 bonds extending mains, 6 and 8 in. c.i. pipe, etc. G. Jerome, 1331 Majestic Bldg., Detroit, engr.

Mich., Kalamazoo — See "Industrial Works."

Ill., Posen—Soon takes bids 4,000 lin.ft. 10 in., 7,400 lin.ft. 8 in., 2,700 lin.ft. 6 in. and 6,000 lin.ft. 4 in. c.i. mains, etc. E. Hancock, 2047 Ogden Ave., Chicago, engr.

Minn., Foxhome—Plans waterworks system, incl. mains, pumping equipment, etc. $15,000. C. A. Bevins, village recdr. Engineer not announced.

Minn., Granite Falls — Making plans water supply system, will either construct filter plant or install 3 mi. main to convey water from springs. $33,000. W. E. Buell & Co., 205 Davidson Bldg., Sioux City, Ia., engrs.

Minn., Marietta — Making plans waterworks system, 200 ft. well, pumping equipment, steel tower and tank, 30,000 gal. capacity. $24,000. W. E. Buell & Co., 205 Davidson Bldg., Sioux City, Ia., engrs.

Kan., Arkansas City — Soon takes bids waterworks improvements and extensions incl., 20,055 ft. 4 in. class B c.i. pipe, 7,337 lb. B & S specials, thirty-four 4 in. gate valves and boxes, 21 fire hydrants, 23 connections, 200 meters, 2 wells, and one remote control house pump, and extra equipment. $50,000. D. Lawhe, Arkansas City, engr. Noted Oct. 11.

Kan., Brookfield—Plans election to vote on $20,000 bonds waterworks and distribution system.

Kan., Kansas City—Plans extensions to water plant, $275,000 for 25 m.g. settling basin, $160,000 for 12 mi. new mains, $95,000 for 3 new pumping units. Bonds voted. F. F. Beauchamp, constr. engr. Noted Sept. 20.

Mo., Palmyra—Election soon to vote on $25,000 bonds waterworks, reservoir and disposal system.

Tex., Port Arthur — See "Streets and Roads."

Tex., Ranger—Plans election to vote on $200,000 bonds, filtration plant, main extensions, etc. Elrod Eng. Co., 3206 Elm St., Dallas, engrs.

Wash., Bellingham—Plans to purchase new c.i. mains early next year. $30,000. C. M. Adams, city engr.

Wash., Seattle—Plans impounding reservoir at Youngs Lake, drilling 9,000 ft. tunnel 8 ft. diam. concrete lined, alternate plan calls for 3,000 ft. tunnel, same diam. (over different route). $1,000,000. J. D. Blackwell, city engr.

Calif., Sacramento—City plans to purchase 10,000 lin.ft. of 6 in. c.i. mains. A. Givan, city engr.

Calif., Santa Ana—Having plans prepared water distributing system, 5,150 lin.ft. 30 in., 9,058 lin.ft. 27 in., 3,615 lin.ft. 21 in., 2,570 lin.ft. 18 in., 15,939 lin.ft. 15 in., 3,308 lin.ft. 14 in., 13,105 lin.ft. 12 in., 26,305 lin.ft. 10 in., 41,255 lin.ft. 8 in. and 7,290 lin.ft. 6 in. pipe, etc. R. L. Lucks, City Hall, engr.

Ont., Forest—Plans waterworks system incl. pumps, 15,000 ft. c.i. mains, 6 in. up, valves, hydrants, water towers, etc. $100,000. Chipman & Power, Mail Bldg., Toronto, engrs.

Ont., London—Utilities Bd. plans to extend mains in Oxford and Victoria Sts, probably 6 and 8 in. $30,000. E. V. Buchanan, Hydro Offices, engr.

Ont., Port Colborne — Preparing plans waterworks plant incl. storage basin, pump house, intake, two 750 gal. motor driven pumps, one 1,500 gal. gasoline driven pump, three pressure filter units, 12 in. mains and 2 m.g. elevated tank. $90,000. E. H. Darling, Home Bank Bldg., Hamilton, engr. Noted Sept. 20.

BIDS DESIRED

N. Y., Corning — Nov. 8, by Corning Homes Inc., mains and sewers. W. C. Sleight, secy.; adv. E. N.-R. Nov. 1.

N. Y., New York—Nov. 9, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., electric valve operating equipment, Manhattan Boro.

N. J., Chatham — Nov. 15, one, two or three 8 in. wells and respective suction lines. Tribus & Massa, 15 Park Row, New York City, consult. engrs.; adv. E. N.-R. Nov. 1.

N. J., Clifton—Nov. 13, by Passaic Valley Sewerage Comrs., 900 Chamber of Commerce Bldg., 24 Branford Pl., Newark, pumping machinery and equipment for Yantacaw pumping station, here. J. H. Quigg, clk.

N. J., Woodbury—Nov. 13, by C. S. Davis, city clk., c.i. pipes, special castings, bell-end stop valves with boxes and covers, etc. W. H. Boardman, 426 Walnut St., Phila., engr.; adv. E. N.-R. Nov. 1.

Colo., Denver — Nov. 5, by Bd. Water Comrs., 1509 Cleveland Pl., rein.-con. lining

Waterworks (Continued)

in east and west basins, Ashland Ave. Reservoir, retaining wall with timber roof at east basin, together with additional roof column footings in west basin, open concrete drains to be installed in both. $110,600; 20,400 ft. of 54 in. wood, concrete or steel conduit from Massey Hill to Wynetka. B. Lowther, 1509 Cleveland Pl., engr. Noted Oct. 4.

BIDS RECEIVED

N. Y., Long Island City—Bd. Water Supply, Gas & Electricity, Municipal Bldg., New York, Oct. 23, mains in Anable, Woolsey and 6th Aves., etc., here, from J. A. Gregory, 351 East 124th St., New York City, 42,572. Noted Oct. 18.

N. Y., New York—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., Oct. 23, mains in Adee, Arnow and Bartow Aves., from Norton Eng. & Contg. Co., 510 West 149th St., $13,200; in Boyd, Bronxwood and Colden Aves. from Knight & DeMicco, 448 East Tremont Ave., $14,500. Noted Oct. 18.

N. Y., St. George—Bd. Water Supply, Gas & Electricity, Municipal Bldg., New York, Oct. 23, mains in Bennett, Clinton and Dewey Aves., here, from Knight & DeMicco, 448 East Tremont Ave., New York, $15,400. Noted Oct. 18.

Md., Baltimore — Bd. Awards, Oct. 24, brass service pipe fittings, from H. Mueller Mfg. Co., 512 West Cerro Gordo St., Decatur, Ill., $15,739. Noted Oct. 18.

O., Cleveland—Cuyahoga Co., 12,000 ft. 6 and 8 in. c.i. mains, Impvt. 45 Co. Sewer Dist., from Salem & George Bros., Erie Bldg., $51,271.

O., Columbus—See "Sewers."

Calif., Santa Cruz—Constructing Bay St. reservoir, from Egan Constr. Co., Stockton, $147,075. Noted Oct. 18.

Que., Montreal—Executive Comn., City Hall Annex, furnishing 5,160 ft. 16 in. and 5,940 ft. 20 in. Class C c.i. pipe (747 tons) from Canada Iron & Foundries, Mark-Fisher Bldg., $52.75 per ton. Noted Sept. 27.

CONTRACTS AWARDED

Mass., Stoneham (Boston P. O.)—Metropolitan Dist. Comn., 1 Ashburton Pl., Boston, crank and flywheel, cross compound pump, 20 m.g.d., to Worthington Pump and Mchy. Corp., 115 Bway., New York City, $69,000. Noted Sept. 13.

Conn., Bristol—Water Dept., laying 4,000 ft. 6-12 in. c.i. mains in various streets, to J. E. Driscoll, 499 Prospect St., Torrington. Engrs. est. $20,000.

N. Y., Albany—Repairing retaining wall of basins, removing and replacing new sand, etc., in filtration plant, to E. B. Stevenson, Albany, $62,277. Engrs. est. $60,000. Noted Oct. 18.

N. J., Matawan—Boro Council, 150,000 gal. storage water tank, to Pittsburgh-Des Moines Steel Co., Curry Bldg., Pittsburgh, Pa., $12,940; concrete base for tower, to W. Bianchini, Freehold, $2,495. Noted Oct. 4.

O., Euclid—See "Sewers."

O., Lyndhurst (Cleveland Heights P. O.)—See "Sewers."

Ind., South Bend—Bd. Pub. Wks., waterworks station; building and foundations to Hay-Wever Co., South Bend, $157,400; suction well to Phelps & Son, Knoxville, $27,000; chimney to H. R. Heinicke, Inc., 540 North Meridan St., Indianapolis, $6,083; pumps to Allis-Chalmers Co., 1410 Waldheim Bldg., Kansas City, Mo., $69,900; boilers to Union Iron Wks., Lackawanna Siding, Hoboken, N. J. $23,008; coal and ash handling, to Link-Belt Co., 910 South Michigan Ave., Chicago, $12,143. Noted Oct. 4, 1923.

Kan., Winfield—Waterworks extensions, incl. 22,000 ft. 16 in. pipe, to Central Fdry. Co., 332 South Michigan St., Chicago, $87,560. Engrs. est. $75,000.

S. D. Milbank—Water collection system, incl. 1,940 lin. ft. pipe, rein.-con. reservoir, etc., to E. M. Scheflow, Elgin, Ill., $18,200. Noted Sept. 20.

Tex., Ft. Worth—Cast Iron pipe 15 cars, 4 in. up, to Natl. Cast Iron Pipe Co., Great Southwestern Life Bldg., Dallas, $15,000.

Tex., Kerrville—For 75 hp. Worthington pump, motor driven, etc., to G. E. Ginter, Calcasieu Bldg., San Antonio, $10,707. Noted Sept. 27.

Tex., Sweetwater—Filter plant, complete, to R. C. Newcomb, Scollard Bldg., Dallas, $39,000. Noted Sept. 6.

Idaho, Lewiston—Waterworks improvements, incl. filtration plant, 2 reservoirs, 6 mi. c.i. pipe, etc., to Chanute Constr. Co., Chanute, Kan., $346,600. Noted Sept. 20.

Sewers

PROPOSED WORK

Mass., Roxbury—Dept. Pub. Wks., Boston, soon takes bids 500 ft. circular concrete, and 2,000 ft. 10-18 in. earthen pipe sewer in Weld St., here. E. F. Murphy, div. engr. City of Boston.

N. Y., Albany — Plans extending 2 mi. Patroons Creek sewer and branches from below Russell Rd. reservoir to Central Ave. $125,000. F. Ravens, City Hall, engr.

N. Y., Binghamton—Plans sewers, general improvements and reclamation work in Brandywine Swamp. $500,000. E. H. Prentice, city engr.

N. Y., Binghamton—Plans trunk sewer and improving Trout Brook. $100,000. E. H. Prentice, city engr.

N. Y., Syracuse — Plans approximately 8,000 ft. 8-24 in. vitr. or concrete sewers in Wadsworth Park, Wolcott, Glenwood, Kuhl and Kenwood Aves. $35,000. T. A. Mather, City Hall, engr.

W. Va., Parkersburg—City Council soon takes bids laying storm sewers in Huff St. $41,000. J. V. Dunbar, city engr.

N. C., Elon College—See "Buildings."

Ky., Fulton—City plans election to vote on $50,000 bonds for sewerage system.

Mich., Adrian—Election this month to vote on $565,000 bonds for reconstructing sewerage system.

Mich., Detroit—Plans prepared 6,985 ft. 10-20 in. vitr. crock and 350 ft. 30 and 36 in. 2 ring brick sewers in Lateral 3966; 5,670 ft. 12-20 in. vitr. crock, 427 ft. 3 ft. 6 in. and 301 ft. 2 ft. 6 in. 2 ring brick sewers in Lateral 4018 2,432 ft. 10-24 in. vitr. crock in Lateral 4023, 3,875 ft. 12-24 in. in Lateral 4027, 4,092 ft. 12-15 in. in Lateral 4028, 1,384 ft. 12-18 in. in Lateral 4029, 1,609 ft. 12-20 in. in Lateral 4030. J. W. Reid, city engr.

Mich., Ferndale—Having plans prepared 20,000 ft. main and lateral sewers in various streets and alleys. $60,000. G. Jerome, 1331 Majestic Bldg., Detroit, engr.

Ill., Harvard—See "Streets and Roads."

Minn., Marietta—Making plans sewerage system, incl. Imhoff tanks, etc. $25,000. W. E. Buell & Co., 205 Davidson Bldg., Sioux City, Ia., engrs.

Kan., Arkansas City — Plans sanitary sewers in Dist. 5, includes 18 blocks of 8 in. pipe. D. Lawhe, Arkansas City, engr.

Mo., Clayton—St. Louis Co. soon takes bids 3,500 ft. 6 and 8 in. sanitary sewers in Hanover Heights and Fletcher Park, Sanitary Sewer Dist. 1. $27,314. L. C. Dziatzke, Empire Bldg., Webster, engr.

Mo., Palmyra—See "Waterworks."

Tex., Kerrville—Making survey for sewerage system. $100,000. R. W. Willard, ch. engr., Municipal Eng. Co., Kerrville, engr.

Tex., Port Arthur — See "Streets and Roads."

Okla., Stroud—Election Nov. 1, to vote on $52,000 bonds for sanitary sewers disposal plant, Imhoff tanks, 25,000 ft. 8 in., 4,000 ft. 10 in. and 2,000 ft. 12 in. vitr. clay pipe. Benham Eng. Co., Gumble Bldg., Kansas City Mo., engrs.

Calif., Gilroy — Having plans prepared sewage disposal plant. $100,000. C. E. Sloane, Santa Fe Bldg., San Francisco, engr.

Calif., Morgan Hill—Had plans prepared sewerage system, disposal plant, treatment plant incl. Imhoff tanks with separate sludge beds, sprinkling filter, etc. C. C. Kennedy, Call Bldg., San Francisco, engr.

Ont., Hamilton—Soon takes bids 15,000 ft. vitr. tile, concrete and brick sewers, 8 in. up, in Alexander St. $21,330, Albany Ave. $7,500, Fairfield Ave. $12,540, Hope Ave. $7,500, Newland Ave. $4,000, Weir St. $12,615. A. L. McFaul, city engr.

Ont., Windsor—Plans sewers in Janette, Howard and Campbell Sts. $50,000. A. Brian, city engr.

BIDS DESIRED

N. Y., Corning—See "Waterworks."

Pa., Ford City—Nov. 5, by Boro. Council, storm sewers from Allegheny River under Pennsylvania R.R. tracks, along 3rd, 5th, 4th Aves. and 1st St., incl. 1,150 lin.ft. 40 in. and 1,830 ft. 36 in. two ring brick sewer, 185 lin.ft. 24 in., 750 lin.ft. 20 in., 900 lin.ft. 18 in. and 1,450 lin.ft. 15 in. terra cotta pipe Douglass & McKnight, 912 Columbia Bank Bldg., Pittsburgh, engrs. Noted July 19.

D. C., Wash.—Nov. 13, by Dist. Comrs., 509 Dist. Bldg., constructing sewer; adv. E. N.-R. Nov. 1.

Ky., Louisville—Nov. 16 by Comrs. of Sewerage, constructing Dry Run Relief Drain. M. H. Crawford, chn.; adv. E. N.-R. Nov. 1.

O., Cleveland—Nov. 3, by Cuyahoga Co., outfall sewer in Snow Rd. Impvt. 39. R. F. MacDowell, Court House, engr.

O., Zanesville—Nov. 7, by J. R. Tanner, dir. Pub. Serv., 24 mi. lateral and house connections for completion Southwestern Sewer Dist. 5. Noted Oct. 4.

Minn., Winona—Nov. 13, by G. W. Hofmann, city clk., sewers in Dist. 4, 7,529 lin. ft. 12-18 in. double strength vitr. clay pipe, 44,789 lin.ft. 8 in. and 640 lin.ft. 6 in. standard vitr. clay pipe, 155 brick manholes. $103,862. E. E. Chadwick, city engr.

Ark., Bartlesville—Nov. 20, by J. J. Swin, chn. Bd. Comrs. Sewer Dist. 21, sanitary sewerage system. $37,000. Parkes Eng. Co., Pine Bluff, engrs.

Tex., Dallas—City Com. taking bids 12 new septic tanks and sewers. $500,000. E. A. Kingsley, city engr.

Calif., San Luis Obispo — Golden State Milk Products Co. taking bids 12,105 lin.ft. 12 in., 6,804 lin.ft. 10 in. and 960 lin.ft. 8 in. vitr. sewer pipes, etc.

BIDS RECEIVED

N. J., Asbury Park—For 5,485 ft. vitr. sewer in Comstock St., engrs. est. $46,967, and 4,470 lin. ft. vitr. storm drain in Wesley Lake vicinity, $35,362, from Mercer Constr. Co., Marcy St., Freehold, $46,967 and $27,892 respectively. Noted Oct. 18.

Ga., Wrightsville — For 5 mi. 6-12 in. sewer, 4 septic tanks, from Dysard Constr. Co., Austell Bldg., Atlanta, $25,000. Noted Oct. 11.

O., Akron—W. F. Peters, dir. Pub. Serv., Oct. 22, for sewers (a) segmental block (b) brick: (1) Holmes Ave. Sewer, 3,905 ft. 8-24 in. vitr. clay pipe, 1,435 ft. 36-39 in. (a) or (b) pipe (2) Serberling St. Sewer, 6,125 ft. 8-24 in. vitr. clay pipe, 1,275 ft. 30-36 in. (a) or (b) pipe (3) Wigley Ave. Sewer, 4,605 ft. 8-24 in vitr. clay pipe, 1,890 ft. 30-54 in. (a) or (b) pipe, from A. Biaselli & Co., 104 Furnace St., (1a) $34,729 (1b) $35,364 (2a) $41,728 (2b) $41,803 (3a) $55,807 (3b) $56,203.

O., Columbus—Franklin Co., from W. D. Winchell, 338 Siebert St., 12,608 ft. 8-18 in. vitr. sewer and 3,000 ft. 8 in. c.i. mains in Sewer Dist. Marion 2 (North Whittier Garden Area), Contr. 16, $41,873, 3,556 ft. 6 in. c.i. mains in Sewer Dist. Franklin 3, Contr. 29, and 2,644 ft. 8 in. vitr. sewers, etc., in Sewer Dist. Franklin 3, Contr. 28, $5,626. Noted Oct. 18.

Mo., Marceline—For (1) 7,920 ft. 8-12 in. vitr. sewers, 224 ft. 10-12 in. c.i. pipe, and disposal plant, known as Sect. A (2) 4,690 ft. 10-12 in. vitr. and 112 ft. 12 in. c.i. pipe, Imhoff disposal plant, etc., Sect. B, from Carrothers Constr. Co., 310 Walsix Bldg., Kansas City, (1) $29,649 (2) $19,905 (combination bid $49,554); Ray & Son, Baxter Springs, Kan., (2) $19,119. Noted Oct. 4.

Wash., Seattle—Bd. Pub. Wks., Oct. 19, (1) 7,058 ft. 8-15 in. pipe in 32nd Ave. et al., (2) 14,525 ft. 8-15 in. pipe in Brandon St. et al., (a) clay (b) concrete, from Romano & Co., 123 23rd St. S. (1a) $35,484 (1b) $35,484 (2a) $75,493 (2b) $75,064. Noted July 12 and Oct. 4.

CONTRACTS AWARDED

Conn., New Britain—Bd. Pub. Wks., 1,500 ft. 24 in. segmental block sewer in Commonwealth Ave., to F. A. Barone Constr. Co., Hartford. Engrs. est. $25,000.

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, to S. Ambrosio, 1016 60th St., sewers in East 8th St., 92% engrs. est. ($8,462), 86th St. 92% ($1,008); to M. Tozzi, 1362 63rd St., East 82nd St., 83.95% ($8,215), 87th St. 94.25% ($3,241); to F. Merindo Co., 540 17th St., East 27th St. 87% ($6,408); B. Peconi & Son, East 8th St. 88% ($5,053); Nazarro & Querriero, West 6th St. 87% ($5,010). Noted Oct. 25.

Md., Baltimore — Bd. Awards, sewers listed in Storm Water Contr. 61 and in Sanitary Contr. 206, to D. C. McAleer, Phoenix Bldg., $49,928 and $59,724 respectively. Noted Oct. 25.

O., East Liverpool—For 1¾ mi. sanitary sewer in Sewer Dist. 2, East End, to P. Milliron, 2nd St., $90,000.

O., Euclid—Sewers and water mains in 4 streets, to J. B. Lynn, Euclid, $8,448; 3 streets, to Kassouff & Co., 3182 West 25th St., Cleveland, $5,527; 5 streets, to A. C. Hattendorf, Stop 14, Euclid Ave., Cleveland, $48,992; 5 streets, to Curro & Whittaker, 2269 Noble Rd., Cleveland, $46,505.

O., Lyndhurst (Cleveland Heights P. O.)—Sewers and mains in 2 streets, to J. B. Lynn, Euclid, $10,764; 4 streets, to A. Marra Co., Ulmer Bldg., Cleveland, $25,103.

Sewers (Continued)

Ore., Dallas — To Oregon Constr. Co., Blake-McFall Bldg., Portland, sewers in Maple St., 8,102 lin.ft. 8-27 in. clay pipe, prices range from $1.20 to $5.75; Washington St., 2,270 lin.ft. 8 and 10 in. clay pipe, $1.50 and $1.70; Oregon St., 3,240 lin.ft. 8-18 in. clay pipe, $1.50 to $3, total $42,042.

Waste Disposal

CONTRACTS AWARDED

Ind., Indianapolis — Garbage reduction plant building, to Schlegel & Roehm, Lombard Bldg. Noted Sept. 13.

Bridges

PROPOSED WORK

N. Y., New York—Gimbel Bros., 33rd St. and 6th Ave., plans 2 story, brick, steel and concrete bridge connecting two buildings. $75,000. Private plans.

Pa., Scranton—Plans 490 ft. bridge, 37 ft. wide, at Cliff St., $443,400, also undercrossing at Delaware, Lackawanna and Western R.R. tracks, $190,000. W. A. Schunk, city engr.

North Carolina—State Hy. Dept., Raleigh, having plans prepared rein.-con. bridges and culverts on State Project 745, Forsyth Co., $39,600; State Project 912, Cherokee Co., $100,000; State Project 237, Johnston Co., $42,000; State Project 791, Yadkin Co., $38,000; State Project 750 B, Stokes Co., $96,000; State Project 513, Caswell Co., $72,000; rein.-con. and steel bridge over Chowan River, State Project 148, Hertford and Gates Counties, $175,000. C. M. Upham, state highway engr.

North Carolina—See "Streets and Roads."

Miss., Greenwood—Le Flore Co. rejected bids 290 ft. swing span steel bridge. Indefinitely postponed. Noted Oct. 11.

La., New Orleans — Bd. Port Comrs., Suite 200 New Court Bldg., soon takes bids 672 ft. pedestrian viaduct at Bienville Dock. P. H. Maloney, comr. Pub. Utilities.

La., New Orleans—Plans new bridge across New Basin Canal on Claiborne Ave. $35,000. State Hy. Dept., Baton Rouge, will prepare plans, secure bids, and pay half of cost. A. Klorer, city engr.

Ohio—See "Streets and Roads."

O., Cincinnati—Nov. 6, to vote on $825,000 bonds 8th St. viaduct. F. Krug, City Hall, engr.

O., Toledo—Plans new bridge over Maumee River. $2,000,000-$3,000,000. Engineer not selected.

Kan., Hutchinson—Reno Co. making preliminary plans 4th Ave. Bridge over Arkansas River, ten 45 ft. rein.-con. deck girder spans, 20 ft. roadway, will be let about Dec. 1; 110 ft. rein.-con. arch span over Ninnescah River, at Arlington, and 100 ft. steel span over Silver Creek, near Arlington, concrete abutments, also 800 ft. of 20 ft. concrete overflow pavement for approaches, both to be let about Mar. 1. W. A. Stacey, co. engr.

Tex., Beaumont—City and Southern Pacific R.R., 65 Market St., San Francisco, Calif., making plans 1,173 ft. viaduct, steel span and approaches, over Texas & New Orleans R.R. tracks at Short and Mariposa Sts. $160,000. R. M. Fulweiler, city engr., and G. W. Boschke, ch. engr. Southern Pacific R.R.

Okla., Oklahoma City — City, Oklahoma Co. and Oklahoma R.R. Co., had plans prepared 1,500 ft. steel viaduct to replace one destroyed by flood. $250,000. B. M. Hart, city engr.

Okla., Oklahoma—Oklahoma Co. having surveys made and plans election soon to vote on $400,000 bonds for 10 bridges along North Canadian River, to replace those destroyed by flood. R. S. James, Court House, engr.

Ont., Toronto—See "Streets and Roads."

BIDS DESIRED

New Jersey—Nov. 27, by State Hy. Comn., Trenton, bridge and approaches, over Raritan River between Perth Amboy and South Amboy. W. G. Sloan, state highway engr.; adv. E. N.-R. Nov. 1.

S. C., Society Hill—Nov. 15, by Society Hill Bridge Bd. approaches to bridge across Great Peedee River. Johnson & Roberts, Marion, engrs.; adv. E. N.-R. Nov. 1.

Ia., Spencer—Nov. 14, by Auditor Clay Co., one 20 x 100 ft. and one 20 x 130 ft. high truss bridges, one 20 x 80 ft. and one 20 x 70 ft. pony truss with approaches, 1,018 cu.yd. concrete, 335,735 lb. structural steel, etc. Iowa Hy. Comn., Ames, engrs.

Kan., Winfield—Nov. 9, by Comrs. Cowley Co., East Madison Ave. bridge across Walnut River, Federal Aid Project 163, two 130 ft. steel truss spans, concrete floor, rein.-con. abutments. Alternate plans may be submitted, if without expense to county. $35,000. W. S. Ruggles, Jr., Arkansas City, co. engr.

Tex., San Antonio—Bexar Co. taking bids removing old bridge approaches, flooring, etc., constructing new rein.-con. approaches with earth fills, new steel and wood floor on present steel bridge, also cleaning and painting all steel now on bridge. $28,000. W. S. Kendall, co. aud.

Ont., Prairie Siding—Nov. 22, by W. G. McGeorge, engr., Chatham, superstructure of 100 ft. bascule double leaf span with steel approach spans of 98 and 158 ft. $120,000.

BIDS RECEIVED

New Jersey—State Hy. Dept., Trenton, Oct. 29, concrete encased plate girder bridge of 69 ft. 8 in. span for 30 ft. roadway, over Bound Brook, Route 9, Sect. 10, Middlesex Co., from F. W. Schwiers, Jr., 90 West St., New York City, $48,673; 15 ft. widening of seven 85 ft. arch, two 65 ft. plate girder and one 60 ft. bascule spans, etc. for distance 140 ft. on west side and 550 ft. on east side, over Raritan River, Route 4, Sect. 21, Middlesex Co., from Krellwitz Constr. Co., Kinney Bldg., Newark, 98% engrs. est. ($357,393). Noted Oct. 25.

Virginia—State Hy. Comn., Richmond, 3 rein.-con. bridges, 137 ft. over Lynhaven River, 112 ft. over Thalia Arm, 97 ft. over Broad Creek, Project S 320, A. B and C, Norfolk and Princess Anne Counties, from Carpenter & Petrie, Box 1243, Norfolk, $25,815, $22,660 and $30,738 respectively. Noted Sept. 27 under Streets and Roads.

Alabama—State Hy. Dept., Montgomery, bridges on Selma-Montgomery Rd., Federal Aid Project 139, Lowndes Co., from W. C. McCoy, Lafayette, creosoted timber $48,391, rein.-con. $82,986. Noted Oct. 4.

Illinois—Dept. Pub. Wks. and Buildings, Div. Highways, Springfield, Oct. 17, constructing bridges, **r c s means rein.-con. slab, r c g rein.-con. girder, sub, substructure and super, superstructure, 8-1B Warren means (Route 8, Sect. 1B Warren Co.)** from F. Shindelecker, Salem, Mo., one 16 ft. r c s, 8-1B Warren, $5,949; from Miller Constr. Co., Burlington, Ia., 1 sub for 50 ft. steel span, 8-8B and 1 super for 50 ft. steel, 8-8C both Henderson, $3,580 and $3,127 respectively; from R. P. Devine Constr. Co., Watseka, 1 r c g with three 50 ft. spans, 8-21B, Iroquois, $19,670; from D. O'Keith, Lone Point, 1 r c g with seven 24 ft. spans and 1 r c s with two 17 ft. spans, 8-25B, Livingston, $17,754; from W. Behrndt & Son, St. Peter, one 28 ft. and one 24 ft. r c s 12-12B Clay, $6,820; from W. H. Shons, South Liberty Ave., Freeport, 1 r c g with two 50 ft. spans 12-30B, St. Clair, $15,654; from A. P. Poirrot, Belleville, one 40 ft. and one 50 ft. r c g 13-12B, Jackson, $11,181; from Tritt Bros., Belleville, one 23 ft. r c s and one 26 ft. r c g 24-11B Tazewell, $10,660. Noted Oct. 11.

S. D., Mobridge—State Hy. Dept., Pierre, bridge over Missouri River, near here, on State Trunk Highway 16, Walworth and Corson Counties, five 256 ft. steel spans on concrete piers, and three 64 ft. plate girder approach spans on concrete and steel foundations, from Minneapolis Bridge Co., Metropolitan Life Bldg., Minneapolis, Minn., $281,956.

Ore., Portland—Multnomah Co., Oct. 22, substructure for Ross Island Bridge, from Pacific Bridge Co., foot of East Salmon St., additions or deductions to concrete, Piers 2-6, $25, abutments $12, credit for sacks, $0.10, total $414,000 (250 days) substructure for Burnside Bridge, from G. F. Atkinson and L. S. Atkinson, Jr., Portland, removal of old piers $50,000, additions or deductions from concrete (A) $40 (D) $30, credit for sacks, $0.10, total $1,568,000 (400 days). Noted Sept. 27.

CONTRACTS AWARDED

Pa., Oil City—Comrs. Venango Co., removing highway bridges over Allegheny River and constructing new one on site of suspension bridge, to W. S. Rae, Oliver Bldg., Pittsburgh, $433,900. Noted Sept. 6.

North Carolina—State Hy. Comn., Raleigh, rein.-con. bridges and culverts on State Project 763 A, Surry Co., to C. A. Helig, Winston-Salem, $71,348; on State Project 686, Stanly Co., to J. L. Brinkley & Sons, Thomasville, $52,560; on State Project 404 A, Chatham Co., and State Project 302, Bladen Co., to Atlantic Bridge Co., Roanoke, Va., $53,142 and $204,200 respectively. Noted Oct. 18.

South Carolina — State Hy. Dept., Columbia, constructing bridge, Project 100, Lancaster Co., to N. C. Hughes, Jr., Laurens, 997 cu.yd. structural concrete $23.75, 165,740 lb. reinforcing $[illegible]05, $43,516. Noted Sept. 20.

Alabama—States of Alabama (Montgomery) and Georgia (Atlanta) concrete piers and approaches to bridge over Chattahoochee River, Barbour Co., to J. A. Peterson, Montgomery, $71,307. Noted Oct. 25.

Alabama—State Hy. Dept., Montgomery, several small bridges on Montgomery-Selma Rd., Lowndes Co., to W. C. McCoy, Lafayette, $82,986. Noted Oct. 4.

Ohio—See "Streets and Roads."

Ohio — Dept. Highways and Pub. Wks., Columbus, bridge and approaches on 0.127 mi. Hamilton-Eaton Rd., Butler Co., to C. Beatty, West Middletown, $25,965; concrete viaduct on 0.17 mi. Sects. L and M, Mansfield-Galion Rd., Richland Co., to Galion Constr. Co., Galion, $38,535; approaches and bridge on Sect. "A" Ripley-Hillsboro Rd., Brown Co., to C. Craver, Owensville, $3,329 and $12,773 respectively; bridges on Sect. "P-2" Logan-New Lexington Rd., and on Sect. "E" Logan-Lancaster Rd., Hocking Co., to Nealon Bros., Columbus, $7,987 and $5,559 respectively; bridge on Sect. "B" Pomeroy-Jackson Rd., Meigs Co., to Ebersbach Co., Pomeroy, $9,337; bridge on Sect. "F" Ohio River Rd., Monroe Co., to B. C. Patterson, Van Atta, $10,574; concrete bridge on Sect. "C" Zanesville-McConnelsville Rd., Muskingum Co., to E. L. Paul, Zanesville, $7,301; concrete beam bridge on Sect. "E" New Philadelphia-Uhrichsville Rd., Tuscarawas Co., to Chillicothe Constr. Co., Chillicothe, $25,116; bridge over Big Still Water Creek, Sects. "E and G" New Philadelphia-Uhrichsville Rd., Tuscarawas Co., to B. C. Patterson, Van Atta, $24,750; bridge over Sugar Creek, Sects. "K" Wooster-Canal Dover Rd., Tuscarawas Co., to Capital Constr. Co., Columbus, $16,181. Noted Oct. 25.

Ia., Denison—Crawford Co., 2 pony truss bridges, 597.9 cu.yd. rein.-con., 155,230 lb. steel, to Lundgren-Reis Co., 65 College St., Des Moines, $27,800.

Colo., Denver—City will construct rein.-con. superstructure, etc., 16th St., viaduct, by day labor. $85,000. Bids opened on Oct. 15, rejected.

Calif., San Francisco—City and San Francisco Co., sub-structure for bridge across Dumbarton Straits, Hetch Hetchy Project, to carry water pipes on series of steel truss spans for part of distance and laying pipe as submerged lines in trenches in bottom of San Francisco Bay for remainder of distance, will have 36 truss spans, each 105 ft. long, to rest on concrete piers, depth of water maximum 25 ft., to Healy-Tibbitts Constr. Co., 64 Pine St., $1,192,484. Noted Oct. 25.

Dams

PROPOSED WORK

Vt., Morrisville—See "Miscellaneous."

N. C., Badin—Tallahassee Power Co. plans large dam across Yadkin River, near here, to form reservoir covering 30 sq.mi.

N. C., Durham—See "Waterworks."

Okla., Oklahoma City—Having plans prepared additional length and protection work to present concrete dam, will replace portions destroyed by recent floor. $500,000. B. M. Hart, City Hall, engr.

Colo., Pueblo—See "Miscellaneous."

Que., Three Rivers—North Shore Power Co., Ltd., Three Rivers, takes bids about Nov. 15, dam at Chute de la Cheminee, on Batiscan River, St. Genevieve Parish, to develop 4,000 hp. $500,000.

BIDS DESIRED

Tex., Ft. Worth—Jno B. Hawley, engr., Cotton Exch. Bldg., taking bids earth dam and concrete spillway for Southwestern Portland Cement Co., Two Republics Bldg., El Paso. $60,000. Noted Oct. 11.

Wash., Lake Cushman—Comrs. Light & Water, Tacoma, taking bids and open same about Dec. 1, arch concrete dam, 275 ft. high, 350 ft. long at the 230 ft. elevation and 800 ft. long at crest, in connection with Lake Cushman Hydro-Electric plant, here. $1,250,000. Bids on equipment, etc., early next year and bids on power house early next spring. J. L. Stannard, City Hall Annex, Tacoma, engr. Noted May 3 under "Industrial Works," Washington.

Calif., Oroville—See "Excavation, Drainage, Irrigation."

CONTRACTS AWARDED

Tenn., Duck River — See "Industrial Works."

Nev., Iron Point (Golconda P. O.)—Ellison Ranching Co., Layton, Utah, addition to Willow Creek Dam, 510 ft. long, 66 ft. high, part rock-filled and part concrete, here, to F. Whiting, Salt Lake City, Utah.

Railways

PROPOSED WORK

Mississippi—Taturn Lumber Co., Hattiesburg, purchased 150,000 acres timber land and plans to construct 26 mi. railroad.

Oklahoma—Atchison, Topeka & Santa Fe R.R. Co., 406 Delaware St., Topeka, Kan., having surveys made 4 mi. extension from Tonkawa to oil fields at Three Sands, crossing Salt Fork River, 80 lb. rails. $100,000. R. A. Rutledge, ch. engr.

Oklahoma — Oklahoma Union R.R. Co., 101 West 4th St., Tulsa, plans 32 mi. extension from Keifer to Nuyka, connecting with Oklahoma-Southwestern R.R., etc. W. Matthews, ch. engr.

Colorado — See "Miscellaneous" under "Pueblo."

Ontario—See "Streets & Roads under Toronto."

Excavation, Drainage, Irrigation

PROPOSED WORK

N. Y., Binghamton—See "Sewers."

Colo., Pueblo—Pueblo Conservancy Dist. takes bids during November or December new river channel to carry 125,000 cfs. of water, 34 mi. railroad tracks, 3,060 ft. barrier dam, 35 ft. high, etc. $4,000,000.

BIDS DESIRED

N. J., Newark—Nov. 8, at office of T. L. Raymond, dir. Dept. Streets & Pub. Impvts., City Hall, dredging portion of City of Newark channel at Port Newark Terminal; adv. E. N.-R. Nov. 1.

Calif., Oroville—Nov. 9, by Dirs. Thermalito Irrigation Dist., constructing Lake Wilenor storage work (known as Concow dam). Bids to be received on 3 alternative sizes, Schedule 1, dam to crest elevation of 1,947 ft. or approximately 75 ft. high, 300 cu.yd. solid rock excav., 2,200 cu.yd. concrete aggregate 1:2½:5 mixture, 40 cu. yd. rein.-con. aggregate 1:2½:5 mixture, 550 tons hauling cement, 20 tons hauling steel and iron; Schedule 2, same as Schedule 1, only different thickness, 400 cu.yd. solid rock excav., 3,420 cu.yd. concrete aggregate 1:2½:5 mixture, 40 cu.yd. rein.-con. aggregate 1:2½:5 mixture, 850 tons hauling cement, 20 tons hauling steel and iron; Schedule 3, dam to crest elevation 1,967 ft. or approximately 105 ft. high, 500 cu.yd. solid rock excav., 4,520 cu.yd. concrete aggregate 1:2½:5 mixture, 40 cu.yd. rein.-con. aggregate 1:2½:5 mixture, 1,100 tons hauling cement, 20 tons hauling steel and iron. S. J. Norris, Oroville, ch. engr. L. Jorgensen, Hobart Bldg., San Francisco, consult. engr.

BIDS RECEIVED

Calif., Yuba City—Recl. Dist. 1660, Sutter Co., 1,000,000 cu.yd. earthworth (a) cash basis (b) warrants of district, from Callahan Constr. Co., Detwiler Bldg., Los Angeles, (a) $0.132 (b) $0.139. Noted Oct. 4.

CONTRACTS AWARDED

Minn., Granite Falls — Yellow Medicine and Lyon Counties, Judicial Ditch 10, Sects. 1 to 6 inclusive, 1,581,407 cu.yd. excav., etc.; Sects. 7 to 10 inclusive, 379,991 lin.ft. 6-28 in. tile, etc., to Peterson & Jenson, Tracy, $376,000. Noted Oct. 4.

Mont., Ulm — Irrigation Project Comn., c/o J. W. Stanton, Great Falls, irrigation system to drain about 11,000 acres in Cascade Co., to Two Miracle Contg. Co., 437 Ford Bldg., Great Falls, about $300,000.

Streets and Roads

PROPOSED WORK

Conn., Windham — Town appropriated $25,000 constructing state aid road through town. F. P. Fenton, clk.

New York—State Hy. Dept., Albany, plans grading 4.57 mi. Project 103, Washington Co. $148,525. F. S. Greene, comr. highways.

N. Y., Albany — Plans extending North Pearl St., 1.04 mi., 60 ft. asphalt. $200,000. P. Ravens, City Hall, engr.

N. Y., Binghamton—Plans constructing 2 mi. State, Clinton and Court Sts., and reconstructing 10 mi. various streets. $600,000. Will mature in spring. E. H. Prentice, city engr.

N. Y., Brooklyn — E. Riegelmann, boro pres., Boro Hall, rejected bids asphalt repaving Empire Blvd. Noted Oct. 18.

N. Y., Geneva—Plans widening highway, eliminating canal and new sea wall in Seneca Lake Park. $50,000. J. W. Brennan, city engr.

Va., Farmville—City voted $50,000 bonds street improvements. G. Waggoner, city mgr.

W. Va., Beckley—Raleigh Co. voted $400,000 bonds for roads in Slab Ford Dist. Noted Oct. 4.

W. Va., Moundsville—Webster Dist., Marshall Co., voted $100,000 bonds for road work. A. Purdy, co. road engr.

North Carolina—State Hy. Comn., Raleigh, rejected bids grading and concrete or asphaltic paving 2.31 mi. State Project 352, New Hanover and Brunswick Counties, $107,000; grading and waterbound macadam surfacing 2.05 mi. State Projects 990 A and 992, Transylvania Co., $90,000. Will readvertise. C. M. Upham, state highway engr.

North Carolina—State Hy. Comn., Raleigh, soon takes bids grading and concrete or asphaltic paving 4.65 mi. State Project 666, Richmond Co., $178,000, 2.39 mi. State Project 447, Lee Co., $74,000, 7.43 mi. State Project 457 B, Orange Co., $230,000; grading and small rein.-con. structures on 9.88 mi. State Project 646, Lincoln Co., $70,000, 5.03 mi. State Project 648, Lincoln Co., $35,000; concrete or asphaltic paving 8.2 mi. State Project 318, Brunswick Co., $246,000, 2 mi. State Project 557, Montgomery Co., $60,000, 10.82 mi. State Project 852, McDowell Co., $320,000; grading and topsoiling 8.6 mi. State Project 750 B, Stokes Co., $60,000, 6.5 mi. State Project 891, Yancey Co., $45,000, 16.9 mi. State Project 912, Cherokee Co., $150,000; grading, concrete paving and rein.-con. bridges and culverts on 10.2 mi. State Project 292, Wilson Co., $382,000, 10.8 mi. State Project 212, Craven Co., $430,000; grading 13.4 mi. State Project 791, Yadkin Co., $80,000; grading and rein.-con. bridges and culverts on 7.02 mi. State Project 952 B, Jackson Co., $66,000; sand-asphalt paving 5 mi. State Project 571, Moore Co., $120,000; clearing, grading and sand-clay surfacing 16.5 mi. State Project 513, Caswell Co., $120,000; grading, topsoiling and rein.-con. bridges and culverts on 15.3 mi. State Project 136, Halifax Co., $100,000; grading and sand-asphalt paving 13.8 mi. State Project 275, Sampson Co., $240,000. C. M. Upham, state highway engr.

S. C., Greer—Plans hardsurfacing about 1 mi. Hill and Mosteller Sts. $55,000. H. Beebe, Spartanburg, engr.

Ala., Birmingham—City Comn. soon takes bids grading and paving 1¼ mi. 8th Ave. from 6th St. west toward Ensley, 20 and 24 ft. $78,000. A. J. Hawkins, City Hall, engr.

Ala., Birmingham—Plans widening 2 mi. 1st Ave. from 54th to 72nd Sts. $80,000. A. J. Hawkins, City Hall, engr.

Miss., Vicksburg—Plans paving 47 blocks. $100,000.

Tenn., Gallatin — Having surveys made and will soon take bids rock asphalt paving streets. $50,000. B. H. Klyce, 4th and 1st Natl. Bank Bldg., Nashville, engr.

Tenn., Huntington—Carroll Co. plans surfacing with oil asphalt 5 mi. road between McKenzie and Henry Co. line.

Tenn., Paris — Henry Co. voted $50,000 bonds for improving 12 mi. road between Carroll Co. line and Paris.

Tenn., Tullahoma — Election Nov. 3, to vote on $40,000 bond issue for gravel and asphalt paving various streets.

Kentucky — State Hy. Dept., Frankfort, plans surfacing 10.7 mi. George-Brooksville Rd., 18 ft., State Project 58½, Sect. B, Harrison Co., 9.811 mi. Pikeville-Williamson Rd., 18 ft., Federal Aid Project 52, Pike Co., 4.85 mi. Shelbyville-Ashland Rd., 18 ft., State Project 20, Sect. 1, Bourbon Co.; grading 6.34 mi. Covington-Falmouth Extension Rd., 24 and 28 ft., Kenton Co., 13 mi. Alexandria-Falmouth Rd., 24 and 28 ft., State Project 21, Pendleton and Campbell Counties, 4.24 mi. road from Beaver to Rockcastle Co. line, 24 and 28 ft., Federal Aid Project 88, Madison Co.; constructing and paving 13.795 mi. Owensboro-Smithland Rd., 18 ft., State Project 10, Sect. 1, Caldwell Co., 12 mi. Henderson-Gutherie Rd., 18 ft., State Project 2, Sect. F, Christian Co.; constructing and surfacing 6.319 mi. Covington-Falmouth Rd., 18 ft. State Project 62, Sect. C, Kenton Co., 2.6 mi. Lexington-Tennessee Line Rd., 18 ft., State Project 23, Sect. E, Garrard Co., 2.7 mi. Campbelsburg-Richmond Rd., 18 ft., State Project 25, Sect. C, Boyle Co.; having survey made for Eastern Dixie Highway, State Project 5, Scott Co., Newcastle-Oldham Co. line Rd., State Project 19, Henry Co., Campbell-Marion Co. line Rd., State Project 25, Taylor Co., Louisa-Morgan Co. line Rd., Lawrence Co., Owingsville-Sharpburg Rd., Bath Co., J. S. Boggs, state highway engr.

Ky., Paducah—M. A. Wakefield, Shelbyville, plans to develop subdivision, here, incl. streets, sidewalks, watermains, etc. $25,000.

Ohio—Dept. Highways and Pub. Wks., Columbus, rejected bids Oct. 16, grading, bridging and paving 1.827 mi. Sect. "J-2," and 3.463 mi. Sect. "J-1" Twinsburg-Elyria Rd., Cuyahoga Co., rein.-con. and brick. Noted Oct. 25.

O., Akron—Summit Co. and State take bids in spring widening from 14 to 18 ft. and surfacing with asphalt 2.4 mi. Akron-Kent Rd., 18 ft. $65,000. J. Weaver, Court House, engr.

O., Cincinnati—Nov. 6, to vote on $3,330,990 bonds Canal Blvd. (Central Parkway), and $1,850,000 bonds widening and extending 5th St. F. Krug, City Hall, engr.

O., Warren — Plans asphalt resurfacing Scott St., Porter and Washington Aves., $28,000, $31,000 and $27,000 respectively. W. E. Sarver, City Hall, engr.

O., Youngstown—City, New York Central R.R., Grand Central Terminal, New York City, Erie R.R., 50 Church St., New York City, and Pennsylvania R.R., Broad St. Sta., Phila., plan extending Andrews Ave. $400,000. G. F. Turner, city engr.

O., Youngstown—Plans brick paving 1.25 mi. Warren Lauderdale, Earl and Glenaven Aves. $70,000. G. F. Turner, city engr.

Michigan—State Hy. Dept., Lansing, soon takes bids grading and concrete surfacing 9 mi. Federal Aid Project 87, Wayne Co. F. F. Rogers, state comr.

Ill., Harvard—Making preliminary plans 30,000 lin.ft. concrete curbing and guttering with usual amount of grading and sewering, also 50,000 sq.yd. penetration macadam, warrenite bitulithic or vibrolithic concrete paving. $250,000. E. Hancock, 2047 Ogden Ave., Chicago, engr. Noted June 27.

Ia., Atlantic—Plans paving 39-40 blocks during 1924. Engineer not selected.

Ia., Des Moines—Polk Co. making plans paving 8 mi. Des Moines-Mitchellville Rd. $240,000. F. O. Laing, co. engr.

Ia., Iowa Falls—Plans paving 48 blocks, also 20,000 sq.yd. (Federal aid) paving during 1924. Engineer not selected.

Ia., Jefferson—Greene Co. making plans paving 17-18 mi. Lincoln Highway. $500,000. J. L. Lindsey, co. engr.

Ia., Manchester—Plans paving 60 blocks during 1924. Engineer not selected.

Kan., Wichita—Having preliminary plans prepared paving 1½ mi. Garland Ave., from Parker to 18th St. and 18th St. from Garland Ave. to river, probably brick on concrete. $50,000. P. L. Brockway, City Hall, engr.

Nebraska—State Hy. Dept., Lincoln, plans graveling 7.6 mi. Project 208, Chase Co., $56,288; grading and graveling 8.23 mi. Project 213, Colfax Co., $50,398.

N. D., Minot — Ward Co. making plans grading, etc., 18 mi. Park Highway through Ft. Berthold reservation. $80,000. H. C. Farhm, Minot, engr.

Missouri—State Hy. Dept., Jefferson City, plans grading and concrete paving 52,600 sq.yd. Federal Aid Project 144B, Route 2, Callaway Co. B. H. Piepmeier, state highway engr.

Missouri—State Hy. Dept., Jefferson City, plans grading 4.05 mi. Sect. C, and 4.154 mi. Sect. E, Federal Aid Project 228, Route 2, 34 ft., Lafayette Co. B. H. Piepmeier, state highway engr.

Mo., St. Louis—Citizens Bond Issue Supervisory Com. approved $45,000 bonds for roadways at St. Louis Training School for Feeble-Minded, also $30,000 bonds fire apparatus. L. E. Bowen, City Hall, engr.

Ark., Forrest City — See "Contracts Awarded."

Ark., Pine Bluff—Soon takes bids paving 21,000 sq.yd. in Cemetery Paving Dist., vitr. brick on concrete. $70,686. F. R. Allen, City Hall, engr.

Tex., Anderson—Grimes Co. election Nov. 10, to vote on $450,000 bonds, grading and graveling highways in Navasota Rd. Dist. R. M. West, co. judge. Engineer not selected.

Tex., Cameron—Plans paving 100 blocks, various types. A. F. Mitchell, Cameron, engr.

Tex., Canton—Van Zandt Co. making plans 6 in. concrete paving 7½ mi. State Highway 15, 9 ft. $120,000. H. C. McClure, co. engr.

Tex., Clarksville—Red River Co. soon takes bids gravel surfacing 5.95 mi. Clarksville-Bogata Rd., 16 ft. $30,000. J. B. Reiman, co. engr.

Tex., Ft. Worth — Making plans paving Western Ave., bituminous of various types or brick. $25,000. D. L. Lewis, city engr.

Tex., Jasper — Jasper Co. plans grading and gravel surfacing 6 mi. State Highway 45, 16 ft. $60,000. C. P. Hunter, co. engr.

Tex., Jasper—Jasper Co. ready for bids Nov. 10, surfacing 16.22 mi. Federal Aid Project 82, 16 ft. $92,000 incl. materials to be furnished by county. C. P. Hunter, co .engr. Noted Oct. 25.

Streets and Roads (Continued)

Tex., La Grange — Fayette Co. making plans grading and gravel surfacing 14 mi. State Highway 3D, 16 ft., Federal Aid Project 417. $150,425. A. Schlafli, co. engr.

Tex., Marshall—Voted $50,000 bonds paving, $10,000 bonds sidewalks. Noted Sept. 13.

Tex., Port Arthur—Plans election to vote on $900,000 bonds for paving, water improvemens, sewers, etc. M. C. Erwin, city engr.

Tex., Sherman — Plans prepared paving East Wall St., brick, asphalt or concrete. $25,000. O. J. S. Ellingson, city engr.

Tex., Sweetwater—Nolan Co. voted $600,000 bonds, improving 125 mi. Highways 1 and 30, 70 mi. of foregoing to be hard surfaced. A. S. Mauzey, co. judge. Noted Sept. 27.

Tex., Texarkana—Making plans paving East 9th St. from Hickory to Missouri Pacific R.R. bridge, and State Line St. from 7th to 24th Sts., bituminous or brick. $60,000. O. Yenglin, city engr.

Okla., Andrews—Plans grading and paving 7 blocks North Coddo St., 6,100 sq.yd. vertical fibre brick, 3,600 lin.ft. curbing, etc. $38,000. S. Mathews, Ardmore, engr.

Okla., Chickasha—Grady Co. having plans prepared gravel surfacing 100 mi. Meridian Highway and Ozark Trail. $350,000. P. Little, Chickasha, engr.

Okla., Guymon—Plans grading and paving 7 blocks in business section, 11,800 sq.yd. vertical fibre brick, 3,750 lin.ft. curbing, 3,000 cu.yd. excav. $60,000. F. E. Devlin, Sedgwick Bldg., Wichita, Kan., engr.

Idaho — State Hy. Dept., Boise, plans broken stone surfacing 10.46 mi. Federal Aid Project 75, Latah Co. $148,588. D. P. Olson, dir. of highways.

Nevada—State Hy. Dept., Carson City, having plans prepared 12 mi. road from Carroll Summitt to Petersons Ranch, Lander Co., G. W. Borden, state highway engr.

Wash., Kelso—Making plans and takes bids about Dec. 1, grading and paving 2 mi. streets in West Kelso. U. G. Jackson, city engr.

Wash., Seattle — Rejected bids grading and paving Avalon Way, et al. Will readvertise after grade revisions have been made to reduce cost. Engrs. est. $300,000. Noted Oct. 25.

Calif., El Centro—Had plans prepared improving various streets, 156,000 sq.ft. asphaltic concrete, 4 in. base, 2 in. surface, 391,000 sq.ft. asphaltic concrete, 3½ in. base, 1½ in. surface, 20,000 ft. concrete curb, etc. F. C. Dyer, city engr.

Calif., Inglewood — Had plans prepared improving streets in Fairview Heights, Dist. 4, 573,720 sq.ft. grading, 115,980 sq.ft. 6 in. concrete, 106,500 sq.ft. 2 in. macadam, 83,980 sq.ft. oiling, 98,050 sq.ft. walks, 21,660 lin.ft. curb. A. W. Cory, city engr.

Calif., Lindsay—Had plans prepared improving portions Lindero and Honolulu Sts., 45,890 sq.ft. 1½ in. warrenite bitulithic on 2½ in. bituminous, 2,300 yd. grading, 5,100 sq.ft. concrete gutter, etc. H. D. Watts, city engr.

Calif., San Diego—Common Council plans to improve Girard Ave. and Coast Blvd., 118,601 sq.ft. 5 in. concrete, etc. F. A. Rhodes, city engr.

Calif., San Diego—Having revised plans prepared improving Maryland St. Former bids rejected. F. Rhodes, city engr. Noted Oct. 4.

Calif., San Francisco—Had plans prepared grading Anza St., 30th, 31st and 32nd Aves., 75,083 cu.yd. excav., 72,353 cu.yd. fill. To exceed $55,000. M. M. O'Shaughnessy, city engr.

Calif., San Luis Obispo — Having plans prepared improving Higuera St. between Nipomo and South Sts., 80,000 sq.ft. pavement, 42,000 sq.ft. walks, 5,000 ft. curb. C. Roselip, city engr.

Calif., Santa Ana—Plans improving West 5th St., 172,000 sq.ft. 7 in. concrete with belt finish wearing surface, 2,193 ft. curb, 26,670 sq.ft. regrading and laying 6 in. concrete pavement, etc. Bids were to be opened Oct. 5, proceedings rescinded. New proceedings underway. W. G. Knox, city engr. Noted Oct. 18.

Que., Montreal—Plans asphalt pavement on 3,928 ft. Marquette St. 22-30 ft., $42,824, 1,181 ft. Des Varennes St., 20 ft., $8,100, 532 ft., Laval Ave., 20 ft., $3,520; 2,206 ft. concrete sidewalks on Jarry St., 6 ft., $13,904, 650 ft. 2nd Ave., 4 ft., $570.

Que., Montreal—Plans 1,331 ft. asphalt pavements on Duhamel, Beresford and Chaumont Sts., $11,898 9,725 ft. concrete sidewalks on Sir George Etienne Cartier Sq., Rosemount Blvd., Park Ave., Millen, Masson, Lartique, Wellington, Eva, Bercy, Fullum, Berri and Bordeaux Sts. $35,903. E. Gauthier, asst. city clerk.

Ont., Oshawa—Plans 7,000 sq.yd. asphaltic concrete pavements on King St., $2,330, Simcoe St., $31,110; 10,000 sq.yd. asphalt resurfacing on Simcoe St., $23,000; 5,500 sq.yd. concrete pavement on Ontario, Oak, Ash, Maple and Fisher Sts., $17,680. W. C. Smith, town engr.

Ont., Toronto—Plans to extend Sherbourne St. north to Mt. Pleasant Blvd., 66 or 86 ft. wide, incl. concrete sidewalks, asphalt pavements, curbing, guttering, street railway, and 700 ft. steel bridge over Rosedale Ravine. $2,700,000. R. C. Harris, city engr.

Ont., Toronto—Plans grading Maclennan Ave. $61,000, Norway Ave. $175,000, grading and extending Cleveland St. $25,000, concrete curbs on Brandon Ave. $1,054, concrete sidewalks on Geary Ave. $1,504. R. C. Harris, city engr.

B. C., Vancouver—Dec. 15, to vote on $200,000 bonds for paving various streets, concrete or bituminous macadam. F. L. Fellowes, city engr.

New York — Nov. 16, by L. Grossman, comr. highways, and W. A. Patton, secy. Bureau Highways, Albany, constructing and reconstructing highways in Allegany, Cattaraugus, Chemung, Cortland, Chenango, Livingston, Monroe, Niagara, Ontario, Rensselaer, Schenectady and Schuyler Counties; adv. E. N.-R. Nov. 1.

N. Y., Brooklyn—Nov. 8, by E. Riegelmann, boro pres., Boro Hall, repaving 2nd Ave., granite on 6 in. concrete; paving Clarkson Ave., and grading, curbing, flagging and paving Sheepshead Bay Rd., asphalt on 6 in. concrete.

N. Y., St. George — Nov. 5, by J. A. Lynch, pres. Richmond Boro, Boro Hall, repaving Richmond Ave., bituminous concrete; St. Marks Pl., bituminous macadam.

N. Y., Tonowanda—Nov. 17, by Towondo Town Bd., Village Hall, Kenmore, grading, curbing, laying sewers and concrete paving Colvin Blvd. G. C. Diehl, 575 Ellicott Sq., Buffalo, town engr; adv. E. N.-R. Nov. 1.

N. J., Millville — Nov. 14, by State Hy. Dept., Trenton, rein.-con. paving, etc. Route 15, Sect. 4, Main St., here, Cumberland Co. A. L. Grover, secy.; adv. E. N.-R. Nov. 1.

Pa., Phila.—Nov. 5, by Dept. Pub. Wks., City Hall, grading Flanders Rd., Schedule A, paving Emlen, Kingsessing, Newkirk, Rising Sun, Ruscomb, 15th and 65th Aves., Schedule B. F. H. Caven, dir. pub. wks.

Maryland—Nov. 13, by State Rds. Comn., Baltimore, gravel surfacing 1.03 mi. highway in Prince George Co., Contr. P-46. J. N. Mackall, chn.; adv. E. N.-R. Nov. 1.

Maryland—Nov. 13, by State Rds. Comn., Baltimore, paving with sheet asphalt 1.72 mi. Park Heights Ave. and 0.59 mi. Singer Ave., Contr. BC-41, Baltimore City. J. N. Mackall, chn.; adv. E. N.-R. Nov. 1.

Alabama—Nov. 26, by State Hy. Comn., Montgomery, grading and gravel surfacing 6.043 mi. road from Russellville to Phil Campbell, 18 and 26 ft., Federal Aid Project 135, Sect. A, Franklin Co., 12 acres clearing, 66,904 cu.yd. common and 7,016 cu.yd. solid rock excav., 86,100 sta.yds. overhaul on excav., 52,116 lb. reinforcing, 16,000 cu.yd. gravel surfacing in place, etc. W. S. Keller, state highway engr.

Ky., Clay City—See "Bridges."

Ind., Warsaw—Nov. 6, by Kosciusko Co., paving A. W. Geyer County Unit Rd., Van Buren Twp., concrete gravel. $84,970. T. J. Nye, co. aud.

Michigan—Nov. 9, by State Hy. Dept., Lansing, grading and surfacing 5.148 mi. Federal Aid Project 57, Sect. D, Kent Co., 58,110 cu.yd. excav., 54,503 sq.yd. asphalt concrete or bituminous concrete. F. F. Rogers, state comr.

Wyoming—Nov. 7, by State Hy. Dept., Cheyenne, gravel surfacing 8.8 mi. Federal Aid Project 48, Lincoln Highway from Thayer Junction to Point of Rocks, 24 ft., Sweetwater Co., $45,000; grading and building structures on 35.4 mi. Federal Aid Project 158, Kemmerer-Marbleton Rd., 20 ft., Lincoln and Sublette Counties, $226,000. Z. E. Sevison, state highway engr.

Tex., Dallas—City Com. taking bids paving 12 blocks Thomas Hall to McKinney St. $32,000, 11 blocks Holmes, Belasco and Marlborough Sts. $30,000, 9 blocks Central, Edgefield, Pine and Lewis Sts. $25,000, 10 blocks 2nd Ave. from Metropolitan St. to city limits $27,000, 12 blocks 8th and Euclid Sts. $32,000, 15 blocks Spencer and Colonial Sts. $40,500, 20 blocks Beacon and Tyler Sts. $54,000, brick, sheet asphalt, asphaltic concrete or bitulithic. E. A. Kingsley, city engr.

Tex., Marlin—Falls Co. taking bids gravel surfacing, etc., 13.33 mi. State Highway 44, Rd. Dist. 3, 16 ft. $200,000. W. P. Wehrung, Lott, engr.

Tex., Waco—Nov. 19, by City Com. paving 15 blocks Vermont and North 15th Sts., 2 in. bitulithic on 5 in. base or 6 in. concrete. $75,000. V. G. Koch, city engr.

Okla., Okmulgee—Nov. 5, by H. H. Seddium, city clk., grading and paving 7 blocks West 6th, 7th and Kern Sts., 7,800 sq.yd. concrete, 3,850 lin.ft. curbing, etc. $36,000. T. J. Embree, Okmulgee, engr.

Colo., Denver—Nov. 7, by Dept. Impvts. and Parks, curbing, grading and surfacing 1 mi. in North Denver Impvt. Dist. 33, 4 mi. wide. $103,000. A. K. Vickery, City Hall, engr.

California—Nov. 13, by State Hy. Comn., Sacramento, grading and surfacing with crushed gravel or broken stone 9.8 mi. highway between point 2 mi. south of Hornbrook and Oregon State Line, Siskiyou Co. R. M. Morton, state highway engr.

Calif., Bakersfield—Kern Co. receiving bids and opens same about Nov. 13, grading and paving Arvin and Weed Patch Rds., Impvt. Dist. 26, 38,400 cu.yd. excav., 890,724 sq.ft. 2 in. asphaltic concrete on 4 in. bituminous, etc. P. E. Kressly, Hellman Bldg., Los Angeles, engr.

Calif., Glendale—City Trustees receiving bids improving Alameda, Mountain and Glenwood Sts., 6,615 ft. curb, 6,346 sq.ft. gutter, 119,919 sq.ft. 5 in. oil macadam, etc.; Stanley Ave. and Verdugo Rd., 1,574 ft. curb, 2,990 sq.ft. gutter, 7,900 sq.ft. walk, 20,486 sq.ft. oil macadam, etc.; Railroad St., 18,117 sq.ft. 6 in. concrete, etc.; Concord, Patterson and Pioneer Sts., etc., 16,300 sq.ft. walks, 17,250 sq.ft. 3 in. oil macadam, etc. B. F. Dupuy, city engr.

Calif., Oroville—See "Miscellaneous."

Calif., Porterville—Nov. 8, grading, curbing, paving, etc., Belleview Ave., 47,976 sq. ft. grading, 47,976 sq.ft. concrete paving, etc.; Henrahan, Cleveland, 2nd and 4th Sts., 483,680 sq.ft. grading, 483,680 sq.ft. concrete paving, 14,925 lin.ft. concrete curb, 1,483 lin.ft. rein.-con. culvert, 1,347 ft. conduit, etc. F. Pease, city engr. Noted Oct. 18.

Calif., Visalia — City Trustees receiving bids improving portions Hall Ave., West Center and North Giddings Sts., 4,631 cu. yd. grading, 212,757 sq.ft. 1½ in. warrenite bitulithic on 4 in. base, etc. L. H. Gadsby, city engr. Noted Sept. 6.

BIDS RECEIVED

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, Oct. 25, grading, curbing and flagging East 29th St., from T. B. Scott, 671 Halsey St., $4,087; Lake St., from W. J. McHale Contg. Co., 1250 Jefferson St., $4,656; asphalt paving East 29th St. and New York Ave., from Borough Asphalt Co., 1301 Metropolitan Ave., $7,439 and $40,147 respectively; Lake St., from Cranford Co., 52 9th St., $10,231; resurfacing 67th St., bituminous macadam, from Galecor Contg. Co., 507 Greenwich St., New York, $13,759. Noted Oct. 18.

N. J., Alpha—Warren Co. (Belvidere) Oct. 24, paving Alpha Boro Rd., here, from Korp & Korp, Phillipsburg, $64,238. Noted Oct. 4.

N. J., Asbury Park—Asphalt paving 27,000 sq.yd. Kingsland St., engrs. est. $63,774, and 17,500 sq.yd. Cookman Ave., $38,562, from J. J. Barrett, North Olden Ave., Trenton, $63,774 and $38,562 respectively.

Virginia—State Hy. Dept., Richmond, constructing roads, from Roberts Paving Co., Clara, Md. 1.98 mi. Project S 310 B, Route 12, Brunswick Co., 5,720 cu.yd. excav. $0.70, 20,910 sq.yd. one course plain cement concrete $2.86, etc., total $66,566, 3.6 mi. Project S 145 A, Route 35, Sussex Co., 12,609 cu.yd. excav. $0.50, 38,100 sq.yd. one course plain cement concrete $2.77, etc. total $126,793; from Ballard Herring Co., Inc., Bedford, 3 mi. Project S 143 C, Route 10, Bedford Co., 42,909 cu.yd. excav. $0.63, 31,641 sq.yd. bituminous surface course $1.88, etc., total $106,859; from Allport Constr. Corp., Mutual Bldg., Richmond, 0.7 mi. Project F 225 B, Route 31, Spotsylvania Co., 3,705 cu.yd. excav. $0.65, 7,483 sq.yd. one course cement-concrete $2.30, etc. total $24,980; from H. H. George Jr. & Son, 1831 Monument Ave., Richmond, 2.89 mi. Project F 183, Route 31 Stafford Co. and Project F 225 B, Route 31, $126,859 and $25,184 respectively.

Fla., Sebring — Highlands Co., grading road, from O. Harden, Okeechobee, 75,000 cu.yd. excav. at $0.30 per cu.yd., 40 acres clearing $80.

Louisiana — State Hy. Dept., Reymond Bldg., Baton Rouge, 10 mi. Covington-Franklinton Highway, Project 373 A, St.

Streets and Roads (Continued)

Tammany Parish, from Vicknair & Co., Plaquemine, combination 1, $23,395, combination 2, $25,649; 7.029 mi. St. Francisville-Baton Rouge Highway, Project 138, East Baton Rouge Parish, from E. Vicknair, $36,012 for both combination 1 and 2; 5.904 mi. St. Francisville-Baton Rouge Highway, Project 137, East Feliciana Parish, from B. H. Bass, Hazelhurst, Miss., combination 1, $52,691; from S. Maggio & Co., combination 2, $58,896; furnishing 8,105 cu.yd. washed gravel from State Gravel Co. Maison Blanche Bldg., New Orleans, $1.75; 16,210 cu.yd. sand clay gravel from Interstate Gravel Co., c/o State Hy. Dept., Baton Rouge, $1.725.

Tennessee—State Dept. Hys. & Pub. Wks., Nashville, grading 19.03 mi. road from Decatur to Hamilton Co. line, State Aid Project 140, Meigs Co., from Harrison, Walter & Prater, White River, $51,818; 8.25 mi. road from Marysville to Knox Co. line, 16 ft., State Aid Project 141, Blount Co., from Shea Bros., Knoxville, Tenn., $101,105. Noted Oct. 4.

Kentucky — State Hy. Dept., Frankfort, constructing and surfacing 5.795 mi. Calhoun-Owensboro Rd., 16 ft., State Project 10, Sect. A, McLean Co. and 8.309 mi. Henderson-Dixon Rd., 18 ft., State Project 2, Sects. B and C, Henderson Co., from Corum Bros., Madisonville, $60,497 and $155,949 respectively, 10.378 mi. Dixon-Hopkinsville Rd., 18 ft., Federal Aid Project 41, Sect. F, Hopkins Co., from N. E. Stone Co., Madisonville, $136,604, 8.82 mi. Dixon-Hopkinsville Rd., 18 ft., Federal Aid Project 41, Sect. G, Hopkins Co., and 19.16 mi. Henderson-Madisonville Rd., 18 ft., Federal Aid Project 34, Sect. F, Webster Co., from Peacock Constr. Co., Yale, Mich., $95,003 and $209,803, surface treating above roads, from R. B. Tyler, 114 South 4th St., Louisville, $9,514, $15,166, $17,038, $14,523 and $32,405 respectively; surfacing 7 mi. Lexington-Maysville Rd., 14 ft., State Project 20, Sect. J 1, Nicholas Co., from J. D. Walton, Princeton, $39,446; grading 7.296 mi. Jackson-Campton Rd., 24 and 28 ft., Federal Aid Project 102, Breathitt Co., from North Fork Constr. Co., Jackson, $204,819, 2.64 mi. Owensboro-Hanesville Rd., Federal Aid Project 105, Sect. A, Daviess Co., from Hollen & Waltmen, Lewisport, $26,646, 2.483 mi. Barboursville-Corbin Rd., Federal Aid Project 61, Sect. B, Knox Co., from Garrard and P. S. Patterson Co., Heidrick, $51,199. Noted Sept. 27.

O., Euclid—Curbing, guttering and asphaltic concrete paving Westport, Wilmore, Morris and Foxton Ave., from Cleveland Trinidad Paving Co., The Arcade, Cleveland, $57,512; Priday and Ball Aves., from Gould & Maybach, 16311 Saranec Rd., Cleveland, $28,710.

O., Lyndhurst (Cleveland Heights P. O.) —Grading and laying sidewalks on 4 streets, from Strohman & Kidder, The Arcade, Cleveland, concrete $30,345; Ohio Quarries Co., Citizens Bldg., Cleveland, stone $37,294.

Illinois—Dept. Pub. Wks. and Buildings, Div. Highways, Springfield, Oct. 17, concrete paving **1-12 Wabash means (Route 1, Sect. 12, Wabash Co.)** from Baker, Agerter & Thompson, 707 National City Bank, Indianapolis, Ind., 5.19 mi. **1-12 Wabash,** 6.69 mi. **1-13 Wabash-Lawrence** and 4.94 mi. **1-15 Lawrence** $321,967, and 6.22 mi. **8-4 Warren,** $122,080; from C. J. Moritz, Inc., Effingham, 3.65 mi. **1-33 Saline** and 4.37 mi. **1-34 Williamson-Johnson,** $71,359 and $99,888 respectively; from C. E. Hamilton, Carbondale, 3.97 mi. **1-35 Johnson** $111,321; from B. Wells, Logansport, Ind., 3.66 mi. **3-7 Rock Island** $88,129; Central Eng. Co., Putnam Bldg., Davenport, Ia., 7.11 mi. **8-1 Knox-Warren** and 6 mi. **8-3 Warren** $277,500; from Miller Constr. Co., Burlington, Ia., 4.12 mi. **8-5 Warren-Henderson,** $71,743, 5.51 mi. **8-6 Henderson** $98,678 and 2.67 mi. **8-8 Henderson** $50,034; from M. Hayes & Son, Chicago, 3.56 mi. **12-12 Clay,** 5 mi. **12-13 Clay-Marion** and 3.41 mi. **12-14 Marion,** $249,000; from C. W. Clarke, Terre Haute, Ind., 5.97 mi. **16-1 Edgar** and 7.31 mi. **16-2 Edgar** $244,000; from W. F. Smith & Co., Rensselaer, Ind., 4.86 mi. **43-2 Mason** $115,802; from Stevens Bros., Piedmont Bldg., St. Paul, Minn., 4.98 mi. **24-3 Christian** and 4.62 mi. **24-4 Christian,** $191,945; from Verhey Constr. Co., Champaign, 3.25 mi. **25-12 Effingham,** 6.44 mi. **25-13** and 4.13 mi. **25-14 Shelby,** $229,450; grading from C. J. Jones, Omaha, 467,768 cu.yd. **2 and 35-17A Pulaski** $154,482; from Russell-Condon Constr. Co., Omaha, Neb., 80,817 cu.yd. **8-8A Henderson,** $36,679; from Devine Constr. Co., **Watseka,** 15,344 cu.yd. **8-21A Iroquois** $6,198; from Frazier-Davis Constr. Co., Arcade Bldg., St. Louis, Mo., 23,134 cu. yd. **12-30A St. Clair** $9,126; from W. T. Bland, Cairo, **76,322 cu.yd. 13-12A Jackson** $42,123; from Gaines Bros. Co., Fairland, Okla., 58,387 cu.yd. **13-21A Randolph** and 45,220 cu.yd. **16-20A Montgomery,** $25,548 and $30,493 respectively. Noted Oct. 11.

Tex., Ft. Worth—Curbing guttering and paving 16,000 sq.yd. Vickery Blvd. from Genl. Constr. Co., Cotton Exch. Bldg., Uvalde rock asphalt $3.10 per sq.yd.; McCollum Constr. Co., F. & M. Bldg., 3 in. brick $3.22. Noted Oct. 11.

Tex., Hemphill — Sabine Co., grading, gravel surfacing and bridging 7.19 mi. State Highway 21, Federal Aid Project 357 B, 16 ft., from E. M. Wood, Royce City, $60,003, 14,911 cu.yd. gravel to be furnished by county; 8.38 mi. State Highway 8, Federal Aid Project 327 A, 16 ft., from George & Kerr, Lufkin, $65,394, 12,843 cu.yd. gravel to be furnished by county. Noted Sept. 21.

Tex., Quanah — Paving various streets, from Jordon Constr. Co., Plainview, 3 in. brick on 4 in. base $103,146, 2½ in. brick on 5 in. base $104,474, 2½ in. on 4 in. $99,162; from Panhandle Constr. Co., Lubbock, 3 in. brick on 5 in. base $110,297; from J. P. Foty, Vernon, 6 in. concrete $101,317; from Uvalde Paving Co., Insurance Bldg., Dallas, 2 in. Uvalde rock asphalt on 5 in. base $129,772; from McCollum Constr. Co., F & M Bldg., Ft. Worth, 1½ in. Amiesite on 5 in. base $101,268, on 4 in. base $97,284; from L. E. Whitham, Morgan Bldg., Wichita Falls, rein.-con. integral gutter $98,763. Engrs. est. $100,000. Noted Sept. 13.

Colorado—State Hy. Dept., Denver, concrete paving 1.014 mi. Federal Aid Project 251, 18 ft., Boulder Co., from J. F. Roberts Constr. Co., Tramway Bldg., Denver, $32,671, engrs. est. $36,256; concrete paving and grade separation on 0.852 mi. Federal Aid Project 230-A, 18-30 ft., Douglas Co., from Kenney Constr. Co., Bank Bldg., Denver, $82,710, engrs. est. $146,733; paving 3.995 mi. Federal Aid Project 230-B, 18 ft., Douglas Co., plain cement, from Brodie & Anderson, Interstate Trust Bldg., Denver, $139,974, coarse aggregate type, from Stamey-Mackey Constr. Co., Trinidad, $161,759, foregoing firm bid same amount on topeka and warrenite, engrs. est. $154,483. Noted Oct. 11.

Ore., Portland—Multonmah Co., improving 8,470 lin.ft. Base Line Rd. from point near Beaver Creek to upper Sandy Bridge 80, (1) 5 in. cement, warrenite or bitulithic on 5 in. crushed rock, (2) 8 in. cement, warrenite or bitulithic (3) 7 in. concrete, from Oregon Constr. Co., Blake-McFall Bldg., (1) $71,277 (2) $64,672 (3) $69,627. Noted Oct. 11.

Calif., Compton—Improving Tamarid and Raymond Sts., etc., 199,360 sq.ft. grading, 199,360 sq.ft. 5 in. concrete, 11,050 lin.ft. curb, 55,160 sq.ft. walks, etc., from G. H. Oswald, 366 East 58th St., Los Angeles, $93,958. Noted Oct. 11.

Calif., San Luis Obispo—Concrete paving 100,000 sq.ft. Osos St., from I. Hodson, San Luis Obispo, $31,498. Noted Oct. 11.

CONTRACTS AWARDED

Rhode Island—State Bd. Pub. Wks., Providence, bituminous macadam paving 3.04 mi. Pontiac Rd., 18 ft. in Cranston and Warwick, to Lane Constr. Corp., 37 Colony St., Meriden, Conn., $89,024; 3.09 mi. Cumberland-Wrentham Rd., 18 ft., in Woonsocket, to B. Perini & Sons, Ashland, Mass., $102,053. Noted Oct. 25.

N. Y., Brooklyn — E. Riegelmann, boro pres., Boro Hall, to Sicilian Asphalt Paving Co., 41 Park Row, New York, repaving North 7th St. $33,793, Saratoga Ave. $13,714, both asphalt; to Uvalde Asphalt Paving Co., 1 Bway., New York, 12th Ave. $22,364, Douglass St. $7,462, Suydam St. $5,997, regrading and paving Kingston Ave. $18,696, all asphalt; to Cranford Co., 52 9th St., repaving 79th St. $20,920, 80th St. $8,407, paving 46th St. $5,681, 77th St. $18,977, 77th St. $9,602, 83rd St. $8,971; all asphalt; Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., repaving 99th St. $7,333, paving East 14th St. $8,161, East 19th St. $10,916, West 27th St. $9,882, all asphalt; Greico Bros., 172 Russell St., repaving North 7th St., granite block $32,897; J. D. Norton, 20 Sterling Pl., Union St., granite block $70,885; W. J. McHale Contg. Co., 1250 Jefferson St., grading, curbing and flagging 40th St. $5,520; F. Persicano, 350 Fulton St., 80th and 81st Sts. $902; G. M. Mandatto, 129 29th St., East 19th St., $3,435. Noted Oct. 18 and 25.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., to Borough Asphalt Co., 1301 Metropolitan Ave., Brooklyn, grading, curbing, laying sidewalks, etc., on Alpha Pl. $9,869, sheet asphalt paving 117th St. $39,870, recurbing, laying sidewalks, etc., on Prospect Ave. $16,607; to Kennedy & Smith, 93 Amity St., Flushing, grading, curbing, laying sidewalks, etc. Hayes Ave. $37,639, Linden St. $9,799, Roosevelt Ave. $14,015, 49th St. $9,890, 97th Ave. $5,635, 117th St. $20,244; to W. P. McDonald Constr. Co., 17 West 42nd St., New York, Linden St. (Bway.) $32,295, paving 97th Ave. $15,440, 103rd St. $85,650, repaving 87th St. $5,510, all sheet asphalt, permanent paving Woodside Ave. $43,705, grading, constructing basins and sheet asphalt paving 79th St. $8,766; to Welsh Bros. Contg. Co., 32 Queens St., Astoria, Anable Ave. $49,956; to J. J. O'Brien, Jr., William St., Jamaica, grading sidewalk space, etc. on Mary St. $352. Noted Oct. 18.

N. Y., Rochester—Paving Cedarwood Terrace, warrenite bitulithic, to O. Costich, Exchange Pl. Bldg., $32,366.

Md., Baltimore — Bd. Awards, grading, curbing and paving streets in Contr. 245-OCOANA, 3,290 sq.yd. vitr. brick, 14,760 cu. yd. grading, to D. Marine, Knickerbocker Bldg., $62,440; streets in Contr. 264-OANA, 22,170 sq.yd. asphalt, to Baltimore Asphalt Block & Tile Co., 1320 North Monroe St., $96,248. Noted Oct. 25.

W. Va., Fayetteville—Fayette Co., vitr. brick paving 4 mi. Montgomery-Armstrong Creek Bridge Rd., to A. Keathley, Fayetteville, $107,000. Noted Oct. 4.

W. Va., Weston—Lewis Co., grading and bituminous macadam surfacing Staunton and Parkersburg Turnpike, Project 4, to Battershill & Goode, Virgilina, Va., $189,081; Weston to Harrison Co. line, Project 1, Camden to Churchville, Project 3, and Jacksons Mill to Freemansburg, Project 2, to Ferguson Bros. Co., Shinnston, $177,503, $183,726 and $100,579 respectively. Noted Oct. 11.

North Carolina — State Hy. Comn., Raleigh, grading and paving with bituminous macadam and asphalt 2.6 mi. State Project 556, Montgomery Co., to R. G. Lassiter & Co., Citizens Bank Bldg., Raleigh, $65,910; grading and topsoiling 1.25 mi. State Project 302, Bladen Co., to J. T. Plott, Greensboro, $56,229; clearing and grading 11.06 mi. State Project 404 A, Chatham Co., to W. W. Tuck & Sons, Virgilina, Va., $75,831, 6.2 mi. State Project 537 A, Guilford Co., to J. M. Gregory, Pittsboro, $26,470, 10.54 mi. State Project 763 A, Surry Co., to McDowell Contg. Co., Marion, $77,865; grading and concrete paving 4.43 mi. State Project 187, Pitt Co., and 7.72 mi. State Project 126, Edgecombe Co., to Public Service Production Co., Terminal Bldg., Newark, N. J., $156,090 and $262,252 respectively, 7¾ mi. State Project 485 B, Wake Co., to R. G. Lassiter & Co., Citizens Bank Bldg., Raleigh, $246,499; grading and rein.-con. bridges and culverts on 8.07 mi. State Project 732 A, Davie Co., to J. F. Mulligan Constr. Co., North Wilkesboro, $32,253. Noted Oct. 18.

Alabama—State Hy. Dept., Montgomery, 20 mi. graveling and small amount of grading on Montgomery-Selma Rd., Lowndes Co., to Newell Constr. Co., 3828 Ave. A, Birmingham, $196,923. Noted Sept. 27.

Ala., Selma—Grading and paving 180,000 sq.yd. Broad St., 1st and Waters Aves., to Alabama Concrete Products Co., Selma, $285,000.

Louisiana — State Hy. Dept., Reymond Bldg., Baton Rouge, 11 mi. St. Francisville-Mississippi Highway, Sect. A, West Feliciana Parish to J. F. Irwine, c/o State Hy. Dept., Baton Rouge, $89,270; 7.4 mi. Louisiana-Mississippi Highway, Sect. B, West Feliciana Parish, to F. O. Hamilton, c/o State Hy. Dept., Baton Rouge, $71,140; 3.23 mi. Vinton-Orange Highway, to Banta & Mutersbaugh, Lake Charles, $53,949. Noted Sept. 27.

Ohio—Dept. Highways and Pub. Wks., Columbus, grading, bridging and paving 4.856 mi. Sect. "E" Cincinnati-West Union Rd., Adams Co., waterbound macadam, to J. O. Petrie, Logan, $102,696; 1.092 mi. Sect. "H" Lima-Delphos Rd., Allen Co., Kentucky rock asphalt, to L. L. Clymer, Bluffton, $17,186; 2.897 mi. Sect. "E-1" Lima-Bellefontaine Rd., Allen Co., and 3.134 mi. Sect. "D" Steubenville-Hammondsville Rd., Jefferson Co., bituminous macadam, asphalt, to R. Stone Co., Lima, $53,018 and $66,704 respectively; 5.099 mi. Sect. "M-2" and part of "N" Niles-Ashtabula Rd., and 9.889 mi. of Sects. "N, O, P, Q and R" Niles-Ashtabula Rd., Ashtabula Co., rein.-con., to Hill & Hill, Elyria, $157,617 and $330,674 respectively; 1.279 mi. Sect. "G" Springfield-Xenia Rd., Greene Co., rein.-con., to Lewis & Copeland, Lima, $39,240; 1.6 mi. Sect. "E-1" Medina-Norwalk Rd., Lorain Co., rein.con., to Elyria Constr. Co., 220 Elyria Blk., Elyria, $45,222; 2.632 mi. Sect. "I" Niles-Ashtabula Rd., Trumbull Co., rein.-con., to Mahoning Constr. Co., Warren, $98,797; 4.087 mi. Sect. "O-1" Columbus-Lancaster Rd., Fairfield Co., brick, to Brewer & Brewer, Chillicothe, $167,339; 6.76 mi. Sects. "A, B and Plymouth" Shelby-Plymouth Rd., Richland

Streets and Roads (Continued)

Co., to Republic Asphalt Paving Co., Dayton, Lake T-4-B, $131,251; 3.249 mi. Sect. "L" New Philadelphia-West Lafayette Rd., Tuscarawas Rd., rein.-con., to C. G. Fuller, Dover, $117,763; 1.184 mi. Sect. "C" and 2.58 mi. Sect. "D" Stryker-Evansport Rd., Williams Co., bituminous macadam, asphalt, to A. Langenderfer, Toledo, $28,646 and $52,548 respectively; grading, etc. 4.008 mi. Sect. "C-2" Celina-Van Wert Rd., Mercer Co., to Lynn Constr. Co., Paulding, $18,881. Noted Oct. 25.

O., Canton—Stark Co. improving 2.62 mi. Swamp Rd., 20 ft., rein.-con., and 2.59 mi. Uniontown-Hartville Rd., Sect. B, 20 ft., monolithic brick, to Urban Bros., Canton, $100,880 and $97,674 respectively, engrs. ests. $110,000 and $100,000 respectively; 0.83 mi. Oberlin Rd. and Duncan St., 20 ft. brick with combination base, curb and asphalt filler, to E. Vogt Paving Co., Massillon, $40,150, engrs. est. $45,000.

O., Cleveland — Cuyahoga Co., concrete paving 16,700 sq.yd. Richmond Rd., to F. B. Stein, Euclid, $100,696. Engrs. est. $111,981.

O., Warren — Widening from 50-60 ft., brick gutters and asphalt paving ½ mi. Cleveland Ave., to Garaux Bros., 735 Market Ave. S., Canton, $27,500.

Ill., Sparta—Concrete paving 20,247 sq. yd., to Moreno-Ruckham Constr. Co., Syndicate Trust Bldg., St. Louis, Mo., $75,124. Noted Sept. 13.

South Dakota—State Hy. Dept., Pierre, gravel surfacing 24,887 cu.yd. Federal Aid Project 84, Spink Co., 13,560 cu.yd. Project 120, Moody Co., and 10,438 cu.yd. Project 133, Miner Co., to Wagner & Erling Co., Sioux Falls, $22,642, $12,170 and $8,563 respectively; 21,270 cu.yd. Project 91, Beadle Co. and 13,345 cu.yd. Project 121, Beadle Co., to Stevens Bros., St. Paul, Minn., $14,-014 and $8,723 respectively; 24,440 cu.yd. Project 89, Brookings Co., to R. R. Wiley, Summit, $22,418; 23,031 cu.yd. Project 92, Day Co., to Gatzmeyer-Lenz Co., Minneapolis, Minn., $17,329; 16,342 cu.yd. Project 119, Grant Co., to Grant Co. Comn., Milbank, $19,894; 19,572 cu.yd. Project 125, McCook Co., to W. R. Larson Constr. Co., 519 Secy. Natl. Bank Bldg., Sioux Falls, $19,435.

S. D., Watertown—Paving 15,000 sq.yd. various streets vibrolithic type B rein.-con., to C. H. Atkinson Paving Co., Watertown, $43,000.

Mo., Kirksville—To Carrothers Constr. Co., 310 Walsix Bldg., Kansas City, asphalt resurfacing 1,050 ft. 1st St., 15 ft., and 575 ft. Jefferson St., 21 ft. both $2.35 per sq.yd.; to S. L. Eggert, Kirksville, improving 234 ft. Marion St., 40 ft., paving $2.80, curbing $0.80, also 234 ft. Missouri Ave., 40 ft., paving $3.81, curbing $0.80. Noted Sept. 13.

Ark., Forrest City—St. Francis Co., improving Sect. 1 of Rd. Impvt. Dist. 5, to S. K. Jones Constr. Co., Randolph Bldg., Memphis, Tenn., $21,000; balance of $150,-000 improvements, incl. 5 mi. gravel road, etc., will be advertised as soon as State Hy. Dept. becomes active under Harrelson Road Act.

Ark., Little Rock—Finishing graded road, 11.02 mi. Foran Gap Forest Rd., 3,931 cu.yd. rock, 68,616 cu.yd. earth excav., etc., to J. J. Harrison, Oklahoma City, Okla., $74,468. Engrs. st. $75,000.

Tex., Abilene — Paving with warrenite bitulithic North 5th St. from Walnut to Mesquite Sts., to West Texas Constr. Co., Cotton Exch. Bldg., Ft. Worth, $2.91, total about $25,000.

Tex., Angleton — Brazoria Co. grading and shell surfacing 6 mi. State Highway 19-A, to Lane & Sons, Angleton, $9,699; draining same, to M. C. Daugherty, Angleton, $1,214; 15,044 cu.yd. shell furnished by county $27,686. Engrs. est. $42,459 incl. 10% for engineering and contingencies. Noted Oct. 4.

Tex., Crockett—Concrete and bituminous paving, curbing and guttering, 7 blocks Public Sq., Main and Le Gory St., etc., to Smith Bros., Sumpter Bldg., Dallas, $36,347.

Tex., Dalhart—For 11,753 sq.yd. 3 in. vertical fibre brick, 4,984 lin. ft. straight curb, 1,972 ft. 6 in. gutter, 3,925 cu.yd. earth excav., to J. Stanton, Leavenworth, $53,165. Engrs. est. $60,000.

Tex., Greenville—For 6 in. concrete paving, curbing, guttering, etc., 5 blocks King and Cornelia Sts., et al., 60 ft. to Janes Constr. Co., Southwestern Life Bldg., Dallas, $25,500. Engrs. est. $25,000.

Tex., Houston—Paving Bissonet, Alabama and Reisner Sts., 2 in. Uvalde rock asphalt on 5 in. concrete, to Uvalde Rock Asphalt Co., Woolworth Bldg., $31,095. Noted Oct. 4.

Tex., Paris—Lamar Co. concrete paving, grading, etc., Highway 5, 2 mi. east from Blossom and 3 mi. west from Brookston, 18 ft., to Julian Field & Co., Denison, $57,875 and $81,689 respectively. Noted Sept. 27.

Okla., Blackwell—Grading and paving 12 blocks 1st, 5th, Oklahoma, Dewy and C Sts., to O. T. Tyler, Blackwell, $57,486. Noted Oct. 25.

Okla., Chickasha—Grading and paving 11 blocks 9th and Oklahoma Sts., Dists. 25 and 26, 12,700 sq.yd. asphalt on concrete, 5,200 lin.ft. curbing, 5,200 lin.ft. guttering, 4,000 cu.yd. excav., to General Contg. Co., Herskowitz Bldg., Oklahoma City, $62,938.

Okla., El Reno—Grading and paving 12 blocks Watts, Foster and Klein Sts., 6,000 sq.yd. asphalt and 8,000 sq.yd. concrete; asphalt paving to Cannady & Co., Tulsa, $35,360, concrete paving to Connelly Bros., El Reno, $39,361.

Okla., Oklahoma City—Grading and paving 6 blocks Blackwelder and Lottie Sts., 7,100 sq.yd. concrete, 2,950 lin.ft. curbing, 2,300 cu.yd. excav., to M. A. Swateh & Co., 519 West Main St., $26,932.

Arizona—State Hy. Dept., Phoenix, grading and surfacing 7 mi. Federal Aid Project 55A, Schedule 2, to Cashion-Caldwell Constr. Co., 33 East Adams St., Phoenix, 5,729 cu. yd. excav. $0.42, 4,402 cu.yd. borrow $0.38, 14,740 cu.yd. surfacing $0.54, 2,093,080 sta. yd. surfacing overhaul $0.015, total $52,-483; 22 mi. Federal Aid Project 69, Maricopa Co., to Kisselburg, Schmidt & Hitchcock, South Central Ave., Phoenix, 10,033 cu.yd. excav. $0.23, 87,078 cu.yd. borrow $0.23, 38,100 cu.yd. surfacing $0.76, 55 cu. yd. Class A concrete $24, 543 cu.yd. Class C concrete $17, etc., total $108,829.

Arizona—State Hy. Dept., Phoenix, grading, surfacing, etc. (1) Tucson-Nogales Highway, Federal Aid Project 66, (2) Tucson-Nogales Highway, Federal Aid Project 75, grading, surfacing, building bridges, etc., on (3) Tucson-Nogales Highway, Federal Aid Project 25-B, (4) structures adjacent to Federal Aid Project 66, to Shumway Constr. Co., Mesa, (1) $17,847 (2) $21,208; to Lown & Woods, Nogales, (3) 15,637 cu. yd. borrow $0.20, 1,274 cu.yd. gravel surfacing $0.75, 1,418 cu.yd. excav. $0.90, 1,051 cu.yd. Class A concrete $9.95, etc., total $37,090. Noted Oct. 25.

Wash., Kelso—Paving 11,086 sq.yd. West Main St., 8 in. concrete, to Yakima Paving Co., Yakima, $2.90, total $47,528.

Wash., Yakima—Yakima Co., paving 1 mi. West Yakima Ave. adjoining city, 13,865 sq.yd. one course 6 in. concrete, to Yakima Paving Co., Yakima, $2.33 per yd. Noted Sept. 20.

Calif., Glendale—Improving 4th and Winchester Sts., etc., to W. J. Curren, 379 West Patterson St., 4,156 lin. ft. grade $0.50, 125,687 sq.ft. 3 in. macadam $0.11, 3,482 ft. curb $0.50, 15,195 sq.ft. walks $0.17, etc. Noted Oct. 25.

Calif., Los Angeles — Grading, concrete paving and concrete walks on Vernon Ave. between Van Ness Ave. and Angeles Mesa Dr., to W. Liddington, 420 East 60th St., $51,664. Noted Sept. 20.

Calif., Lynwood—To Hall-Johnson Co., Box 51, Inglewood, paving 404,100 sq.ft. Poplar Dr., macadam, $107,500, 227,075 sq. ft. South Long Beach Blvd., 5-6 in. concrete, $64,000, 109,000 sq.ft. North Long Beach Blvd., 5-6 in. concrete, $30,900.

Calif., Oakland—Improving 9th St. from Alice to Fallon Sts., to Bates & Borland, Bank of Savings Bldg., 37,500 ft. grade $0.06 per ft., 2,027 ft. concerte curb $0.75, 2,400 ft. concrete gutter $0.30, 35,000 ft. asphaltic concerte $0.30, etc.; 15th St. between Franklin and Harrison Sts., to Oakland Paving Co., 5000 Bway., 40,177 ft. grade $0.069, 1,355 ft. curb $1.10, 1,360 ft. concrete gutter $0.30, 26,050 ft. 2 in. warrenite bitulithic on 6 in. concrete $0.30, etc.; 6th St. from Jefferson to West Sts., to Warren Constr. Co., Bacon Bldg., 58,222 ft. grade $0.053, 2,164 ft. concrete curb 0.80, 2,516 ft. concrete gutter $0.30, 55,705 ft. 2 in. warrenite bitulithic on 4 in. asphaltic concrete $0.292, etc. Noted Sept. 20.

Calif., Riverside—Riverside Co. improving Corona-Elsinore Highway, to Hall-Johnson Co., P. O. Box 51, Inglewood, 12,914 cu.yd. excav. $0.50 per cu.yd., 15,624 lin. ft. shaping roadbed $0.10, 249,984 ft. 5 in. macadam with asphalt surface $0.10, etc., total $37,200. Noted Oct. 25.

Calif., Sacramento—Improving Freeport Blvd. from Western Pacific R.R. to Sutterville Rd. and from 4th Ave. to 21st St., to Clark & Henery Constr. Co., Ochsner Bldg., 3,912 ft. curb and gutter $1.80 per ft., 6,491 cu.yd. excav. $1.14, 86,026 sq.ft. pavement $0.215, etc.

Calif., San Francisco—Curbing, laying sidewalks and concrete paving Collingwood St. between 20th and 22nd Sts., etc., to Municipal Constr. Co., 112 Lyon St., $21,686. Noted Oct. 18.

Calif., San Rafael—Improving portions 6th and H Sts., 23,100 sq.ft. 2 in. asphaltic concrete, 1,000 cu.yd. excav., 1,755 lin. ft. concrete curb, etc., to A. J. Raisch, 46 Kearny St., San Francisco. Noted Sept. 13.

Calif., Santa Ana—Improving West Washington St. between North Bway. and Lowell St., to Oglesby & Dahl, Santa Ana, 75,019 sq.ft. 5 in. concrete at $0.204 per sq.ft., 2,183 ft. curb $0.50, etc.

Que., Montreal—Paving Gouin Blvd. 38,-535 sq.yd. 3 in. asphalt, to B. Brault Ltd., 2855 Rosemount Blvd., $243,486. Noted Oct. 25.

Ont., Oshawa—Resurfacing with asphalt 25,000 sq.yd. Simcoe St. North, to Standard Paving Co., Central Chambers, Ottawa, $30,000.

Ont., Toronto—York Twp., 40 Jarvis St., 6 mi. of 4 ft. 6 in. to 6 ft. concrete sidewalks to C. O. Matthews, 2142 Dufferin St., $1,800; to Fairbank Constr. Co., c/o owners, $1,530, to F. C. Shipp, 1609 Queen St. W., $4,400, to J. Harrop, 1414 Davenport Rd., $11,300; to Natl. Contg. Co., 9 Garnock Ave., $2,500; to D. Mackay, 289 Ashdale Ave., $3,000; to Murphy Contg. Co., 8 Wychwood Ave., $3,000; to J. McAdams, 45 Jarvis St., $4,100.

Industrial Works

PROPOSED WORK

Vt., Morrisville—See "Miscellaneous."

Mass., Boston—Grovehall Realty Trust Co., c/o E. P. Finn, 1 Beacon St., had plans prepared by Silverman, Brown & Heenan, 51 Cornhill, 1 story, 175 x 250 ft. garage, rein.-con. and composite granite, wood pile foundation, 1186 Commonwealth Ave. $250,000. Work will be done by day labor.

Conn., Rocky Hill—Belamose Corp., 983 Main St., Hartford, having plans prepared by McClintock & Craig, 33 Lyman St., Springfield, Mass., 3 buildings, brick and timber. $1,000,000. Noted Sept. 27.

N. Y., Gouverneur—Plans municipal electric lighting plant. $100,000. Engineer and architect not announced.

N. Y., Flint—Flint Cold Storage, Inc., plans 50,000 bbl. cold storage plant. $200,-000. T. D. Whitney, pres. Engineer and architect not selected.

N. Y., New York—J. Logana, c/o J. J. Dunnigan, archt. and engr., 394 East 150th St., having plans prepared 1 story, 55 x 130 ft., rein.-con., brick and steel garage, plain foundation, Convent Ave. $50,000.

N. Y., Norwich—Abbott-Kohn Ribbon Co., Berry St., having plans prepared 3 story factory addition. $75,000. Engineer and architect not announced.

Pa., Phila.—Phila. Electric Co., 10th and Chestnut Sts., purchased 55 acres on Delaware River front and plans to build new power plant. Plans and layout under way for 200,000 kw. steam generating station, to be increased from time to time as need may be to 600,000 kw. $6,000,000. Address J. B. McColl, 1000 Chestnut St. Noted Jan. 11.

Va., Farmville—City voted $50,000 bonds for permanent improvements at electric light plant. G. Waggoner, city mgr.

W. Va., Fairmont—Willete Clay Pottery Co. plans to rebuild plant, recently destroyed by fire. $200,000.

W. Va., Huntington—J. J. Weller & Sons, Robson-Prichard Bldg., plans 1 story, 30 x 210 ft. steel shop, $50,000.

N. C., Balfour—E. A. Smythe, c/o Hendersonville Chamber of Commerce, Hendersonville, plans cotton-mill, here. $1,000,000.

N. C., Hemp—J. B. McQueen, Lake View, is vice-pres. of new corporation which plans cotton mill, here. $300,000.

Ky., Louisville — Louisville Taxicab & Transfer Co., 2nd and Walnut Sts., plans 3 story, 140 x 200 ft. garage and office building, 9th and Liberty Sts. $200,000.

Ky., Louisville—Hellmueller Baking Co., 434 Baxter Ave., plans bakery on West Bway. between 13th and 14th Sts. $70,000. Architect not selected.

Ky., Louisville — E. Straus Cabinet Co., 1029 Hamilton Ave., having plans prepared by J. W. Rollins, 1532 Texan St., 2 story factory, Baxter Ave. $200,000. Noted July 12.

Ky., Louisville—Standard Sanitary Mfg. Co., 6th and A Sts., having plans prepared by D. X. Murphy & Bro., Louisville Trust Bldg., 1 story addition to shop, 6th and Shipp Sts. $40,000.

Ky., Louisville—United States Foil Co., 2934 Grand Ave., plans 1 story addition to factory, 30th St. and Grand Ave. $40,000. Architect not selected.

Industrial Works (Continued)

Ky., Madisonville—Madisonville Ice & Laundry Co. plans ice plant to replace one destroyed by fire. $60,000.

O., Canton — Wilson Rubber Co., 1216 Garfield Ave., plans 5 story, 50 x 100 ft. factory. $110,000-$125,000. F. J. Wilson, vice pres. and genl. mgr.

O., Cleveland—McCauley Storage Battery Co., c/o J. F. McCauley, 1060 St. Clair Ave., plans 1 story, 35 x 128 ft., brick and timber factory and warehouse, Chester Ave. and East 34th St. $40,000. Private plans.

O., Dayton—See "Buildings."

O., Sidney—S. Bryan and C. Swonger, having plans prepared by C. A. Hock, 602 Commercial Bldg., Dayton, 2 story and basement, 60 x 120 ft., rein.-con. and brick factory, plain foundation. $150,000.

O., Lorain—Natl. Stove Co. soon takes bids 2 story, 100 x 220 ft., concrete, brick and steel factory. $100,000. T. Rath, supt.

O., Toledo—Citizens Necessity Co. plans 140 x 200 ft. ice storage plant and office building, Berden Ave. $250,000. Engineer and architect not announced.

Ind., Evansville — Graham Bros. Truck Co. plans 1 story, 90 x 250 ft. brick (Unit 6 of truck factory). $60,000.

Ind., Mishawaka—La Salle Paper Co., 403 East Madison St., South Bend, soon takes bids 1 story and basement, 50 x 400 ft. mill, here. $300,000. Power plant will also be erected. C. E. Nicely, pres, Freyermuth & Maurer, Farmers Trust Bldg., South Bend, archts.

Ind., New Albany — New Albany Loose Leaf Tobacco Co., Locust and Clark Sts., plans 1 story, 145 x 145 ft. warehouse, Locust St. $40,000.

Mich., Detroit—Detroit Concrete Receptacle Co., 4225 Michigan Ave., having plans prepared 2 story, rein.-con., brick and steel factory, plain foundation, Woodward Heights and Grand Trunk R.R. $250,000. Private plans.

Mich., Detroit—Kroger Grocery & Baking Co., 4769 Merritt Ave., having plans prepared by J. G. Kastler & Co., 523 Detroit Savings Bank Bldg., 1 story, 85 x 365 ft. rein.-con., brick and steel garage, plain foundation, Junction Ave. $90,000.

Mich., Kalamazoo—Valley Paper Co., 401 Press Bldg., having plans prepared by Billingham & Cobb, engrs., 404 Press Bldg., rein.-con., brick and steep paper mill and water filtration plant. $500,000.

Mich., St. Joseph—Auto Specialties Mfg. Co. plans 1 story, 100 x 100 ft. plant $70,000.

Ill., Anna — A. A. Fasig plans cement plant, capacity 80,000 bbl. per month. $65,000. Architect not selected.

Ill., Aurora—Barber-Greene Co., West Park Ave., plans 1 story, 130 x 175 ft. and 1 story, 24 x 45 ft. plant additions. $40,000.

Ill., Chicago—Crane Co., 836 South Michigan Ave., plans 2 story, 160 x 500 ft. fireproof factory, 4100 South Kedzie St. $1,000,000. Graham, Anderson, Probst & White, 80 East Jackson Blvd., archts.

Ill., Chicago—E. A. Heckel, c/o J. Hocke, archt., 7602 Chappel Ave., plans 1 story, 150 x 191 ft. garage, rein.-con., brick and steel, Exchange Pl. between 72nd and 73rd Sts. $65,000.

Wis., Birchwood — Weilgor Hardwood Products Co. having plans prepared 1 story, 60 x 150 ft., brick, rein.-con. and steel factory, plain foundation. $50,000. Private plans.

Wis., Clintonville — Mead-Johnson Co., Evansville, Ind., plans 2 story, 60 x 150 ft. brick, rein.-con. and steel factory, plain foundation. $50,000. Engineer and architect not selected.

Wis., Milwaukee—Lagemann Bros., 3130 Burleigh St., having plans prepared by E. R. Leibert, 432 Bway., 1 story, 52 x 150 ft., brick and concrete shop, plain foundation, Burleigh St. $40,000.

Wis., Randolph—Friesland Canning Co. having plans prepared by J. E. Hennen, Fond du Lac, 1 story, 50 x 80 ft., brick and rein.-con. factory, plain foundation. $40,000.

Ia., Cedar Rapids—Temple—Iowa Consistory Building Assn., c/o T. W. Runkle, secy., 116 North 10th Ave., plans temple. $300,000. Architect not selected.

Minn, Duluth—Cutler-Magner Co., foot of 8th Ave. W., plans warehouse to replace one recently destroyed by fire. $300,000.

Kan., Kansas City — Plans to expend $725,000 for improvements to light plant, work includes installation four 600 hp. boilers $150,000, increasing generating capacity of plant from 25,000 KVA. to 37,500 KVA. $375,000, etc. F. F. Beauchamp, constr. engr.

Mo., St. Louis—Mendenhahl Motor Co., 2317 Locust St., having preliminary plans prepared by W. P. McMahon, Title Guaranty Bldg., 4 story and basement, 37 x 155 ft., brick, concrete, stone and tile, service and sales building, Locust St. $100,000.

Ark., Watson Chapel—C. A. Hughes, Watson Chapel, interested in local syndicate which plans creamery, 500 lb. butter and 3,000 gal. milk daily capacity. $40,000.

Tex., Forney—Forney Oil Mill plans to rebuild mill recently destroyed by fire. $50,000. Engineer and architect not announced.

Tex., Valentine — Southern Pacific R.R., Southern Pacific Bldg., Houston, plans railroad shops, equipment, etc., here. $100,000. G. W. Boschke, ch. engr.

Wash., Lake Cushman — See "Dams" under "Bids Desired."

Calif., Anaheim—Motor Transit Co., 130 South Lemon St., having plans prepared by E. C. Thorne, Western Mutual Life Bldg., Los Angeles, 1 or 2 story, stage depot, South Lemon St. $40,000 or more.

Calif., San Jose—Pacific Gas & Electric Co., 445 Sutter St., San Francisco, having plans prepared warehouse and garage, here. To exceed $90,000. Private plans.

Calif., Vernon—Deats Door & Sash Co., 1832 East 16th St., Los Angeles, had plans prepared by C. C. Rittenhouse, Wilcox Bldg., Los Angeles, 1 story, 125 x 125 ft. factory, frame, here.

Calif., Visalia—J. B. Newman, G and I Bldg., had plans prepared 1 story, 100 x 215 ft. brick garage, Ea[illegible]th St. Private plans.

Que., Cap Rouge—St. Regis Paper Co., Ltd., 70 St. Paul St., Quebec, takes bids this month pulp mill and wharf, here. $4,000,000. Engineer not selected. Architect not announced.

Ont., Almonte — Yorkshire Wool Stock Mill Co. plans to build 2 or 3 story concrete and brick plant, to replace one recently destroyed by fire. $150,000. Engineer and architect not selected.

Ont., Cutler—Spanish River Lumber Co. Ltd., plans to rebuild 1 story mill recently destroyed by fire. $200,000. Private plans.

Ont., Kitchener — Schneider Packing Co. having plans prepared extending and remodeling plant. $100,000. J. C. Klaehm, 59 Irwin St., engr.

Ont., Toronto — Toronto Hydro Electric System, Ryrie Bldg., plans electric plant and equipment incl. cable, wire, insulation, insulators, poles, transformers, etc. $1,940,000. E. M. Ashworth, mgr.

B. C., Essondale—Provincial Government, Victoria, having plans prepared by P. Philip, engr., and H. Whittaker, archt., both c/o Dept. Pub. Wks., Victoria, and takes bids about Nov. 1, rein.-con. central heating plant, on hospital grounds, here. $200,000.

BIDS DESIRED

N. Y., Yonkers—Nov. 15, by J. J. Hayes, Proctor Bldg., 2 story, 100 x 100 ft., brick garage, School and Herriott Sts. $50,000. W. P. Katz, 2 Hudson St., archt.

Pa., Phila.—Nov. 5, by Moores & Dunford Inc., archts., 342 Madison Ave., New York City, 7 story and basement, 52 x 106 ft. rein.-con. and brick warehouse, plain foundation, 3935-3937 Germantown Ave., for Interstate Warehouse & Storage Co., 919 North Front St., $225,000.

Va., Richmond—W. T. Rawleigh Co., c/o W. J. Trevillean, vice-pres., 101 Liberty Ave., Freeport, Ill., taking bids 2 story, 80 x 165 ft. warehouse and garage, brick, rein.-con. and stone, plain foundation. J. R. and E. J. Law, 1st Central Bldg., Madison, Wis., archts. Noted Oct. 4.

N. C., Elizabeth — Foreman, Derickson Veneering Co. taking bids 1 story, 48 x 80 ft. and 100 x 200 ft. factory, Knobbs Creek. $50,000.

La., New Orleans—See "Wharf, etc., under Miscellaneous."

Ill., Chicago—E. G. McClellan, archt., 7441 Cottage Grove Ave., receiving bids 1 story, 200 x 200 ft. garage and service station, fireproof, Indiana and 63rd Sts., for V. Cunningham, c/o archt. $75,000.

Ill., Chicago — Rawson & Eisenberg, archts., 5 North La Salle St., receiving bids 1 story, 100 x 125 ft. garage, fireproof, Roosevelt St. and Central Park. $40,000. Owner's name withheld.

Ill., Chicago—G. Sachs, 1569 South Kenzie St., and J. J. Novy, archt., 2434 South Ridgway St., receiving bids 2 story, 125 x 135 ft., garage and service station, fireproof, Homan St. and Ogden Ave. $50,000.

Ill., Chicago—D. S. Klafter, archt., 64 West Randolph St., receiving bids 1 story, 100 x 264 ft. garage, fireproof, 2501-25 East 75th St., for B. Weiss, c/o architect. $100,000.

Ill., Chicago—E. G. McClennan, archt., 7441 Cottage Grove Ave., receiving bids 1 and 2 story, 100 x 125 ft. ice plant, fireproof, Hoyne Ave. and Walton Pl., for West Side Ice Co., 839 North Hoyne Ave. $50,000.

Ill., Maywood—Van Gunten & Van Gunten, archts., 26 East Huron St., Chicago, receiving bids 1 story, 125 x 125 ft., pattern and machine shop, fireproof, for J. A. Kennedy, c/o architects. $40,000.

Ill., Waukegan—P. Gerhardt, archt., 64 West Randolph St., Chicago, receiving bids 1 story, 80 x 230 ft. auto sales and service building, rein.-con., brick and steel, Madison and Spring Sts., for C. E. Bairstow, 111 South Sheridan Rd. $40,000.

Wis., Hurley—N. A. Nelson, archt., Ironwood, Mich., taking bids 1 story and basement, 98 x 100 ft., brick and concrete garage, plain foundation, for Noeman Bros. $50,000.

Wis., Madison—F. Riley, archt., Conklin Bldg., taking bids 2 story, 45 x 100 ft., brick, rein.-con. and steel, boiler house, laundry and garage, plain foundation, for Madison Medical Assn., c/o R. S. Ingersoll, Lakeside St. $50,000.

Wis., Milwaukee — L. Hunt, archt., 210 Mason St., taking bids 1 story, 60 x 160 ft., brick and concrete addition, plain foundation, for Ogden Ave. Garage Co., 305 Ogden Ave. $40,000.

Calif., Los Angeles—Electric Corp., 836 South Los Angeles St., will build 4 story, rein.-con. warehouse and loft, Santee and 11th Sts., by separate contracts. Work will be done under supervision of J. M. Cooper, Marsh-Strong Bldg., archt. $100,000. Noted Oct. 11.

BIDS RECEIVED

La., Baton Rouge—Capital City Auto Co., 120 3rd Ave., 3 story, 94 x 125 ft. and 1 story, 50 x 103 ft. brick and timber sales and repair shop, from R. J. McBride, Baton Rouge, $105,240.

Calif., Los Angeles—Bd. Educ., 5 story warehouse, rein.-con., from J. B. Harris, 4923 West Pico St., $149,260. Noted Oct. 11.

CONTRACTS AWARDED

R. I., Providence — Textile Finishing Mchy. Co., 171 Westminster St., 2 story, 61 x 110 ft. storage house and 1 story, 76 x 121 ft. roll shop, brick and steel, plain foundation, to J. A. Maguire Constr. Co., Providence, $80,000. Noted Sept. 13.

N. Y., New York — E. B. Lexham, 31 Nassau St., 6 story, rein.-con., brick and steel warehouse, plain foundation, 247 West 12th St., to G. Colon & Co., 81 East 125th St. Archts. est. $60,000.

N. Y., New York—See "Buildings."

N. Y., Tarrytown—Chevrolet Motor Co., Kingsland Pt., 3 story, 80 x 150 ft., and 3 story 80 x 80 ft. rein.-con. plants, pile foundations, to J. W. Ferguson Co., 253 Bway., New York.

Pa., Johnstown — Henderson Bros., 221 Market St., 2 story, part basement, 120 x 160 ft. concrete, brick and steel plant, 8th Ward, to Berkebile Bros., Swank Bldg.

Pa., Phila.—Remington-Burnelli Aircraft Co., 25 West 45th St., New York City, will build plant on Magazine Lane west of Penrose Ave., by day labor. Will begin work on first unit (15,000 sq.ft. floor space) this year.

Tenn., Duck River—Shelbyville Light & Power Co., Shelbyville, hydro electric plant and dam, here, to Foster-Creighton Co., Fourth and First Natl. Bank Bldg., Nashville, $50,000 .

Ky., Benton—Paducah Hosiery Co., Paducah, hosiery mill, Puryear St., here to Treas Milling Co., Benton. Est. cost $40,000.

Ky., Elizabethtown—Burley Co-operative Assn. 1 story, 125 x 297 ft. storage warehouse and redrying plant, to Jenkins-Essex Co., Elizabethtown. $40,000.

O., Cleveland—F. B. Sanders, 2 story, 50 x 100 ft., brick and steel garage, 3432 Prospect Ave., to Craig-Curtiss Co., 4614 Prospect Ave. Archts. est. $40,000.

O., Mansfield—Natl. Ice Co., 1 story, 41 x 60 ft., brick and steel plant, to Snell & Wolff, Mansfield. Archts. est. $50,000. Noted Oct. 4.

O., Toledo—Chevrolet Motor Co., 3137-57 Maplewood St., brick factory addition, to Gettins-Kopittke Co., 733 Nasby Bldg., $66,000.

Mich., Marquette—E. W. Cork and E. G. Davith, 3 story and basement, 72 x 122 ft. concrete and brick garage, plain foundation, to Wisconsin Eng. & Constr. Co., 512 3rd St., Wausau, Wis. Archts. est. $75,000.

Ill., Chicago—A. S. Alschuler, archt., 28 East Jackson Blvd., 1 story, 175 x 300 ft. garage, rein.-con., brick and steel, 3228-42 North Halsted St., to Johnson & Anderson,

Industrial Works (Continued)
7120 Evans Ave. Archts. est. $200,000. Owner's name withheld.

Ill., Chicago — Hartman Furniture and Carpet Co., Pershing and Wentworth Sts., 1 story, 124 x 167 ft. garage, fireproof, 3927-43 Wentworth St., to Johnson & Anderson, 7120 Evans Ave. Archts. est. $75,000.

Ill., Chicago—Hydrox Beverage Co., 2400 Lake Park Ave., 1 story, 75 x 197 ft. garage and service station, fireproof, Lake Park Ave. near 24th St., to Austin Constr. Co., 1346 East 63rd St. Archts. est. $40,000.

Ill., Chicago—J. Ure, c/o Van Gunten and Van Gunten, archts., 26 East Huron St., 1 story, 75 x 105 ft. auto sales and service, fireproof, 7517 North Clark St., to Duff & Noonan, 140 South Dearborn St. Archts. est. $40,000.

Ill., Chicago — National Tea Co., 1000 Crosby St., 6 story and basement ,107 x 146 ft., warehouse, fireproof, 1021 Kingsbury St., to L. J. Mensch, 138 North La Salle St. Archt. est. $400,000.

Ill., Chicago—Randall Bros., c/o M. O. Nathan, archt., 123 West Madison St., 1 story, 120 x 150 ft. garage, fireproof, 3519 West Harrison St., to Atlas Constr. Co., 186 North La Salle St. Archts. est. $50,000.

Ill., Chicago — Vassar Swiss Underwear Co., 2545 Diversey Parkway, 4 story, 134 x 168 ft. factory, fireproof, Rockwell St. and Diversey Parkway, to R. F. Wilson Co., 1851 Elston Ave. Archts. est. $300,000.

Ill., LaGrange — Jackson Express and Van Co., 5951 Madison St., Chicago, general contract 4 story and basement, rein.-con. and brick warehouse, here, to H. D. Moreland, 3701 Sheffield Ave., Chicago. Archts. est. $150,000.

Ill., Springfield — G. J. Kable, 417 West Monroe St., will build 1 story, 76 x 181 ft. garage, brick and rein.-con., 3rd St., by day labor. $40,000. J. J. Rinake, Ferguson Bldg., archt.

Ill., Springfield—H. A. Seidel & Co., 402 North 4th St., 3 story and basement, mill and grain elevator, brick and concrete, along tracks Chicago & Alton Ry., to F. Fitzsimmons, 1001 East Cook St.

Wis., Appleton—A. Stingle Baking Co., 968 College Ave., 3 story and basement, 50 x 62 ft., brick and concrete bakery, plain foundation, to M. Boldt & Sons, 545 State Rd. Archts. est. $40,000.

Wis., Fond du Lac—St. Agnes Hospital, 390 East Division St., 1 and 2 story, 57 x 128 ft., brick and concrete power house, plain foundation, to Hutter Constr. Co., 128 Western Ave. Archts. est. $150,000. Noted Oct. 11.

Wis., Green Bay — Allen A Co., 1000 Prairie Ave., Kenosha, 2 story, 62 x 68 ft., brick and timber factory addition, plain foundation, North Washington St., here, to W. W. Oeflein, 86 Michigan St., Milwaukee. Archts. est. $40,000.

Wis., Markesan—W. Dehn, 1 story, 60 x 100 ft., garage and repair shop, brick and tile, plain foundation, to Oshkosh Constr. Co., Oshkosh. Archts. est. $40,000. Noted Oct. 4.

Wis., Milwaukee—G. Becker, 1502 Fond du Lac Ave., 3 story, 60 x 70 ft., rein.-con. and brick warehouse, plain foundation, 16th and Vine Sts., to Brun Constr. Co., 387 Clinton St. Archts. est. $40,000.

Wis., Milwaukee—Hansen Storage Co., 120 Jefferson St., 1 story, 100 x 150 ft., storage plant, Jackson St., to W. W. Oeflein, 86 Michigan St. Archts. est. $40,000.

Wis., Milwaukee—A. Heath Co., 21st and Wells Sts., 3 story, 40 x 60 ft., brick and concrete addition to bakery, plain foundation, to Lupinski & Wolff, 82 Wisconsin St. Archts. est. $40,000.

Wis., Milwaukee—Milwaukee Boiled Ham Co., 901 Holton St., 2 story, 45 x 77 ft., brick and concrete plant, plain foundation, to F. H. Krueger, 68 Burleigh St. Archts. est. $40,000.

Wis., Neenah—Fox River Valley Co-operative Co., c/o J. W. Armstrong, pres., Route 8, 2 story, 50 x 80 ft., brick and concrete warehouse, plain foundation, to A. Nielsen & Son, 702 South Commercial St. Archts. est. $40,000.

Wis., North Milwaukee — North Milwaukee Fdry. Co., Commerce Ave., 1 story, 65 x 100 ft., brick and timber addition, plain foundation, to A. Filter, 989 5th St., Milwaukee. Archts. est. $40,000. Noted Sept. 20.

Wis., Tomahawk — Tomahawk Kraft Paper Co. will build 1 story, 60 x 90 ft., rein.-con. and brick plant, plain foundation, by day labor. $40,000. Private plans.

Minn., Minneapolis — L. Kinsell, 604 Builders Exchange, 2 story and basement, 132 x 157 ft. garage and office, brick and tile, 5th Ave. S. and 3rd St., general contract to J. C. Nelson & Son, 915 Bway. N. E., $140,000. Noted June 7.

Tex., Austin—State Institute for Colored, 2 story, brick, concrete and stone, industrial plant and warehouse, general contract to Wattinger Bros., Patterson St., $51,882. Noted Oct. 4.

Tex., Houston—Schotts Bakery, Washington St., concrete and brick bakery, to J. B. Townsend, West Bldg., $40,000. Engrs. est. $50,000.

Calif., Emeryville—Amer. Rubber Mfg. Co., Park Ave. and Watt St., 1 story, brick and concrete, third unit of factory, to R. W. Littlefield, 357 12th St., Oakland, $42,000.

Calif., Los Angeles — Pasadena Electric Express Co., 453 Commercial St., 4 story, rein.-con. warehouse, Commercial St., to J. F. Rhodes, 113 North Vermont St., $45,000.

Calif., Los Angeles—Robinson Furniture Mfg. Co., 2001 Santa Fe St., 1 story, concrete and brick factory, 38th St., to Austin Co. of California, Bartlett Bldg., $40,000.

Buildings

PROPOSED WORK

N. H., Nashua—School—School Bd. had plans prepared by J. J. Driscoll, 6 Beacon St., Boston, Mass., and soon takes bids 2 story and basement, 150 x 200 ft., brick and limestone, plain foundation, Lake St. $250,000.

Mass., Ashburnham—Academy—Cushing Academy plans 3 story and basement, rein.-con. and stone, plain foundation, to replace one recently destroyed by fire. $175,000. A. B. Whitney, chn. building com. Engineer and architect not selected.

Mass., Boston — High School — Public Building Dept. having plans prepared by H. H. Atwood, Ashmont (Boston P. O.), and soon takes bids 4 story and basement, 150 x 300 ft., rein.-con., concrete pile foundation, Warren and Townsend Sts. $3,000,000.

Mass., Orange—School—Bd. Educ. having plans prepared by Tooker & Marsh, 101 Park Ave., New York City, brick, steel and stone, plain foundation, Pleasant St. $150,000. Noted Mar. 15.

Conn., Thompsonville—School—St. Josephs Parish plans 3 story, brick and steel, plain foundation, Pearl St. $150,000. D. J. O'Connor, pastor. Whiton & McMahon, 36 Pearl St., Hartford, archts.

Conn., Windham—School—Town appropriated $150,000 for 3 story, brick, plain foundation. F. P. Fenton, clk.

New York—Hospitals—New York State Hospital Comn., Albany, having plans prepared by S. W. Jones, state archt., Albany, new buildings and additions to following hospitals: Binghamton $750,000; Brooklyn and Creedmoor, L. I., $6,000,000; Rochester $1,200,000; Buffalo $1,000,000; Central Islip $3,000,000; Gowanda $3,000,000; Kings Park $3,000,000; Manhattan $3,000,000; Hudson River $3,500,000; Middletown $1,000,000; St. Lawrence $1,400,000; Utica $750,000; Marcy $3,000,000; Willard $600,000; Dannemora $100,000; Mattawan $2,250,000.

N. Y., Albany — Office — H. Goodman (owner and architect) Eagle and Howard Sts., plans 8 story, 65 x 100 ft. rein.-con., brick and steel, plain foundation, South Pearl St. $1,000,000.

N. Y., Albion—Theatre, Store and Office—W. H. Robson, c/o Family Theatre, plans 3 story, 66 x 164 ft., 900 seating capacity, Main St. $150,000. Engineer not announced. Architect not selected.

N. Y., Binghamton—High School—Bd. Educ. plans Junior High School, Broad Ave. $425,000. Architect not announced. E. A. Prentice, city engr. Noted June 14.

N. Y., Binghamton—School—Bd. Educ. plans 3 story addition to Woodrow Wilson School. $200,000. Engineer and architect not announced.

N. Y., LeRoy—School—Election in November to vote on $255,000 bonds grade school. Engineer not selected. Tooker & Marsh, 101 Park Ave., New York, archts.

N. Y., New York—Apartment—Evander Realty Corp., c/o J. M. Felson, archt. and engr., 1133 Bway., having plans prepared brick, steel and stone, plain foundation, Morris Ave. $250,000.

N. Y., New York—Apartment—C. Kreymborg, archt. and engr., 2534 Marion Ave., preparing plans 6 story, brick, steel and stone, plain foundation, 153rd St. and St. Nicholas Ave. $300,000. Owner's name withheld.

N. Y., New York—Apartment—Mandel Ehrich Corp., c/o J. Sloane, arch. and engr., 100 East 42nd St., had plans prepared brick, steel and stone, plain foundation, Park Ave. and 36th St. $500,000.

N. Y., New York—Apartment—One Hundred Fifteen East 48th St. Corp., c/o M. B. Schmidt, archt. and engr., 14 East 46th St., having plans prepared 14 story, brick, steel and stone, plain foundation, 48th St. and Lexington Ave. $3,000,000.

N. Y., New York—Apartment—One Thousand Forty Park Ave. Corp., c/o Delano & Aldrich, archts. and engrs., 126 East 38th St., having plans prepared 14 story, 100 x 123 ft., brick, steel and stone, plain foundation, 1040 Park Ave. $1,500,000.

N. Y., New York—Apartment—Schierenson Realty Co., c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., having plans prepared brick, steel and stone, plain foundation, 170th St. and Ft. Washington Ave. $200,000.

N. Y., New York—Apartment—Seventy-Third St. and Amsterdam Ave. Corp., c/o Sugarman, Hess & Bergen, archts. and engrs., 16 East 43rd St., having plans prepared 15 story, brick, steel and stone, plain foundation, West 73rd St. $900,000.

N. Y., New York—Apartment—Springsteen & Goldhammer, archts. and engrs., 32 Union Sq., preparing plans 6 story, brick, steel and stone, plain foundation, Haven Ave. and 178th St. $400,000. Owner's name withheld.

N. Y., New York—Nurses School—City of New York Bellevue & Allied Hospitals, 415 East 26th St., having plans prepared 5 story, brick, steel and stone, plain foundation, foot of East 26th St. $500,000. A. Judd, secy. Private plans.

N. Y., New York — Office — Marlboro Realty Corp., c/o G. and E. Blum, archts. and engrs., 505 5th Ave., having plans prepared 20 story, brick, steel and stone, plain foundation, 1351 Bway. $2,750,000.

N. Y., New York—Office—Seventh Ave. and 35th St. Corp., c/o Buchanan & Kahn, archts. and engrs., 56 West 45th St., having plans prepared 22 story, brick, steel and stone, plain foundation, 7th Ave. and 35th St.

N. Y., New York—School—Bd. Educ., 500 Park Ave., having plans prepared by W. H. Gompert, archt. and engr., Flatbush Ave. extension and Concord St., Brooklyn, P. S. 99, Exterior St. $1,500,000.

N. Y., Rochester—Hospital—Homeopathic Hospital, 224 Alexander St., plans hospital addition. $400,000. Engineer and architect not announced.

N. Y., Rochester—Nurses Home—Highland Hospital, South Ave. and Bellevue Dr., plans nurses home, laundry, sprinkler system, etc. $150,000-$200,000. Engineer and architect not announced.

N. Y., Tonawanda—School—Tonawanda Twp. had tentative plans prepared school, Montrose St. $300,000. Engineer and architect not announced.

N. J., Montclair—Bank—Montclair Savings Bank, 441 Bloomfield Ave., soon takes bids brick, steel and stone, plain foundation. $200,000. T. M. James & Co., 342 Madison Ave., New York City, archts. and engrs. Noted May 17.

Pa., Berwick—Hotel—Chamber of Commerce plans to build hotel by municipal subscription under supervision of Hockenbury System. $200,000. Engineer and architect not announced.

Pa., Bloomsburg — High School — City plans 3 story school to replace one recently destroyed by fire. $150,000. Engineer not announced. Architect not selected.

Pa., Lewistown—High School—Bd. Educ. Green Ave., plans 3 story and basement, 100 x 150 ft. brick and steel. $150,000. C. Coxe, supt.

Pa., Scranton—Office—Chamber of Commerce plans office, on Washington Ave. and Mulberry St. $600,000. Engineer and architect not selected.

Pa., South Williamsport—High School—Bd. Educ. plans 3 story and basement, 80 x 150 ft., Central and Mountain Aves. $150,000.

Md., Baltimore — Hotel—Emerson Hotel, Calvert and Baltimore Sts., plans 17 story, 50 x 150 ft. addition to hotel, brick and steel, $1,250,000. W. H. Parker, mgr. Engineer and architect not selected.

Md., Baltimore—Store—Trustees Mercantile Trust & Deposit Co., Calvert and Redwood Sts., having plans prepared by T. W. Pietsch, American Bldg., 4 story, brick, plain foundation, Franklin and Charles Sts. $150,000.

Md., Evergreen (Baltimore P. O.)—Gymnasium—Loyola College having plans prepared by O. G. Simonson, Inc., Hearst Tower, Baltimore, 2 story, 73 x 153 ft., stone, steel trusses. $150,000.

Md., Roland Park (Baltimore Station)—College—St. Marys College having plans prepared by Maginnis & Walsh, 100 Boyls-

Buildings (Continued)

ton St., Boston, Mass., 4 story, brick and steel. $400,000.

W. Va., Huntington—Y. W. C. A., Gideon Bldg., plans to construct building. $200,000. Engineer and architect not selected.

N. C., Elon College—College—Elon College plans new buildings, water mains, sewers and heating plant. Several hundred thousand dollars. W. A. Harper, pres.

N. C., Fayetteville—Courthouse and Jail—Cumberland Co. plans courthouse and jail. $200,000. E. A. Poe, chn. bd. comrs.

N. C., Oak Ridge—Dormitory—Oak Ridge Institute plans dormitory, fireproof. $150,000. T. E. Whitaker, head of Institution.

N. C., Fayetteville—Office—National Bank of Fayetteville takes bids about Nov. 15, 10 story and basement, Market Sq. $300,000. Engineer and architect not announced.

N. C., Hendersonville—Schools—Dec. 11, to vote on $350,000 bonds for schools.

Ga., Savannah—Bank and Office—Realty Investment Co., c/o Miller & Miller, Hurt Bldg., plans 10 story. $500,000. G. L. Miller & Co., engrs.

Tenn., Jackson—Hospital—J. L. Crook and others raising $150,000 for hospital.

Tenn., Nashville — Church — West End Methodist Church plans church, West End Ave. $400,000. G. Stoves, 2209 Dixie Pl., pastor.

Tenn., Nashville—Depot and Office—Tennessee Central R.R. Co., 319 7th Ave., having plans prepared by H. C. Hibbs, 4th and 1st Natl. Bank Bldg., 4 story, brick and concrete, foot of Bway. $150,000.

Ky., Henderson — Hotel — R. S. Soaper plans 6 story, 100 x 150 ft. $285,000. Engineer and architect not selected.

Ky., Louisville—Office—See "Industrial Works."

Ky., Ormsby (Lakewood P. O.)—Cottages—Louisville and Jefferson Co. Childrens Home, 3rd and Shipp Sts., Louisville, having plans prepared by A. Loomis, Todd Bldg., Louisville, and takes bids about Nov. 12 or 15, 7 brick cottages at Childrens Home, here. $150,000. Noted Dec. 22.

Ky., St. Matthews — Home — Masonic Lodge, 2nd and B Sts., Louisville, plans widows and orphans home, here. $1,600,000. Joseph & Joseph, Francis Bldg., Louisville, archts. Noted March 22 under "Louisville."

O., Akron—Hotel—A. C. Smith, c/o T. R. Ridley, archt., 109 North Union St., having plans prepared 5 story, brick, steel an concrete. $500,000.

O., Canton—Hospital—Aultman Hospital Assn. plans 3 story addition, Clarendon Ave. S. W. $300,000. Will mature in spring.

O., Cincinnati—Nov. 6, to vote on $650,000 bonds copleting Millcreek interceptor and other sewers. F. Krug, City Hall, engr.

O., Cleveland—Apartment—J. A. Saunders, 11830 Detroit Ave., having plans prepared by H. W. Grieme, 110 Engineers Bldg., 3 story and basement, 47 x 90 ft., brick and timber, West 25th St. $150,000.

O., Cleveland—Commercial and Apartment—S. Glaser, Ulmer Bldg., plans 4 story, brick, Euclid and Bryn Maur Aves. $200,000. L. R. Walker and J. L. Mauer, 1900 Euclid Ave., archts.

O., Cleveland—Nurses' Home—Lakeside Hospital, East 12th St. and Lakeside Ave., plans 8 story, brick, steel and concrete, Euclid Ave. and Adelbert Rd. $1,000,000. Coolidge & Shattuck, Ames Bldg., Boston, Mass., archts.

O., Cleveland — School — St. Catherine Catholic Church, 3443 East 93rd St., having plans prepared by C. R. Greco, 729 Guardian Bldg., 2 story and basement, brick, steel and concrete, East 93rd St. and Catherine Ave. $150,000.

O., Dayton — Apartment, etc. — Homes Constr. Co., 1004 Amer. Bldg., plans 3 story and basement, 50 x 200 ft., rein.-con., brick and stone apartment and garage, plain foundation, Cambridge Ave. $240,000. Private plans.

O., Lakewood (Cleveland P. O.)—Apartment—M. Margolin, 548 East 118th St., Cleveland, having sketches made by M. Weis, 617 Union Bldg., Cleveland, 3 story and basement, brick and timber, Lake and Cook Aves., here. $175,000. Noted Oct. 18.

O., Lakewood (Cleveland P. O.)—Bathhouse, etc.—City plans bathhouse and jetties, brick, concrete and stone, Lakewood Park. $250,000. E. H. Fisher, city engr.

O., Lorain—Commercial and Theatre—Strand Theatre Co., c/o F. J. McFadden, archt., 543 Bway., had plans prepared 3 story, 75 x 134 ft., brick, steel and concrete, Bway. $200,000.

O., Massillon—Y. M. C. A. plans 6 story building. $300,000. Shattuck & Hussly, Chicago, archts.

O., Middletown—Church—St. Johns Congregational Church, plans 1 and 2 story and basement, brick, stone and rein.-con., plain foundation. $175,000. W. W. Jaekle, 310 West 2nd St., Dayton, archt.

O., Toledo—Convent—Notre Dame Convent plans novitiate, Bancroft and Monroe Sts. $200,000. Engineer and architect not selected. Will construct group of buildings, Secor Rd. and Monroe St., at later date.

O., Toledo — Office — See "Industrial Works."

O., Willoughby—High School—Bd. Educ., c/o M. Otis, clk., having plans prepared by F. C. Warner, Hippodrome Annex, Cleveland, 2 story, brick, steel and concrete. $150,000.

Mich., Detroit—Amusement—Jefferson & Belle Isle Realty Co., c/o M. Friedberg, secy.-treas., 1254 Griswold St., having plans prepared by C. H. Crane, 542 Griswold St., 1, 2 and 3 story, concrete, brick and steel, plain foundation, East Jefferson St. $3,000,000.

Mich., Detroit—Clubhouse—P. A. Miller and others, 600 Majestic Bldg., having plans prepared by Baxter, O'Dell & Halpin, 1024 Hammond Bldg., 11 story and basement, 150 x 175 ft. rein.-con., brick and steel, plain foundation, Cass Ave. and Putnam St. $3,000,000.

Mich., Flint—Court House and Jail—County Building Comm., H. Haas, chn., Thetford, having plans prepared by F. D. Madison, 209 First Bank Bldg., Royal Oak, 4 story and basement, 75 x 170 ft. rein.-con., brick, steel and stone, plain foundation, Saginaw St. $1,000,000.

Mich., Grosse Pointe (Detroit P. O.)—Church—Grosse Pointe Presbyterian Church had plans prepared by W. E. N. Hunter, 1436 Washington Blvd., Detroit, 2 story, 75 x 157 ft. rein.-con., brick, steel and stone, plain foundation. $250,000.

Mich., Kalamazoo—School—Bd. Educ. having preliminary plans prepared by Billingham & Cobb, 404 Press Bldg., 2 story and basement, 60 x 180 ft. rein.-con. and brick, plain foundation, Burdick St. $160,000, also 3 story, 102 x 290 ft. rein.-con., brick and steel, plain foundation, Lovell St., $265,000.

Mich., Lansing — Exchange — Michigan State Telephone Co., 220 North Capitol Ave., having plans prepared by Smith, Hinchman & Grylls, 800 Marquette Bldg., Detroit, 3 story and basement, 66 x 124 ft. rein.con. and brick addition, plain foundation. $150,000.

Ill., Chicago—Apartment—W. Jackson, c/o D. S. Klafter, archt., 64 West Randolph St., plans 3 story, 82 x 125 ft., fireproof, 79th and Philips Sts. $150,000.

Ill., Chicago—Apartment—W. Knol, 874 West North Ave., plans 3 story, 147 x 173 ft., fireproof, Belle Plaine Ave. and Kedzie St. $350,000. Steinborn & Simon, 111 North Dearborn St., archt.

Ill., Chicago—Apartment and Store—P. Lederer, c/o D. S. Klafter, archt., 64 West Randolph St., plans 1 and 3 story, 125 x 285 ft., apartment, store and garage, fireproof, 55th St. between Essex and Kingston Sts. $350,000.

Ill., Chicago — Apartment — Oman & Lilienthal, archts., 64 West Randolph St., preparing plans 3 story, 100 x 250 ft., rein.-con., brick and steel, Kedzie Ave. near Logan Sq. $250,000. Owner's name withheld.

Ill., Chicago—Apartment—A. V. Teisen, archt., 4804 North Kedzie Ave., preparing plans 3 story, 120 x 125 ft., fireproof, Laramie and Montrose Sts. $150,000. Owner's name withheld.

Ill., Chicago—Bank Sheridan Trust and Savings Bank, 4738 Bway., plans 12 story and basement, fireproof, Lawrence Ave. and Bway. $1,000,000. Marshall & Fox, 721 North Michigan Ave., archts.

Ill., Chicago—Hotel—J. P. Lynch, c/o D. D. Meredith, 4750 Sheridan Rd., plans 4 story, 50 x 150 ft., fireproof, 4917-19 Kenmore St. $200,000.

Ill., Chicago—Hotel—Morrison Hotel Co., Madison and Clark Sts., having plans prepared by Holabird & Roche, 104 South Michigan Ave., 22 story and basement, 67 x 190 ft., fireproof, Madison and Clark Sts. $2,500,000.

Ill., Chicago—School—Bd. Educ., 650 South Clark St., plans 3 story, fireproof, 4623 Greenwood Ave. $300,000. J. C. Christensen, 650 South Clark St., archt.

Ill., Chicago—Temple, Office and Theatre—State of Illinois A. F. and A. M., c/o Rapp, archts., 190 North State St., plans 21 story, rein.-con., brick and steel, Randolph St. near Dearborn St. $5,000,000. E. Beach, grand master.

Ill., Waukegan—Y. M. C. A. having preliminary plans prepared by Shattuck & Lager, archts., 10 South La Salle St., Chicago, 4 story and basement, 100 x 125 ft., rein.-con., brick and stone, Clay St., here. L. J. Latz, Washington St., associated archt.

Wis., Janesville—Hotel—McNeil Hotel Co., 14 West Milwaukee St. having preliminary plans prepared by Rowe, Dillard & Rowe, 127 Dearborn St., Chicago, 6 story and basement, 62 x 147 ft., brick, steel and concrete addition, plain foundation. $225,000

Wis., La Crosse—Church—Evangelical Lutheran Congregation having plans prepared by O. A. Merman, Linker Bldg., 2 story, brick and tile. Plain foundation, to O. Wold, 1403 Jackson St. Total $150,000.

Wis., Madison — Chapel, etc. — German Methodist Church, c/o W. Schwiering, 110 South Congress St., Kenosha, having plans prepared by Balch & Lippert, Gay Bldg., 4 story, 56 x 88 ft., brick, rein.-con., steel and stone, plain foundation. Webster St., here. $150,000.

Wis., Madison — Club — University Club, c/o W. J. Mead, pres., 803 State St., plans 4 story and basement, brick, rein.-con. and steel, plain foundation, State St. $150,000. Engineer and architect not selected.

Wis., Milwaukee—Apartment—L. C. Goldman, 534 Mitchell St., having plans prepared by C. W. Valentine, 405 Bway., 7 story and basement, 95 x 135 ft., brick and concrete, plain foundation, Prospect Ave. $250,000.

Wis., Milwaukee — Church — Immanuel Evangelical Lutheran Congregation, c/o C. F. Dietz, pastor, 1122 Garfield Ave., plans 2 story, brick and tile, plain foundation. Teutonia Ave. $150,000. Engineer and architect not selected.

Wis., Milwaukee—Office—E. D. Fryer, 400 Grand Ave., having plans prepared by C. H. Tharinger, 3328 State St., 6 story and basement, 50 x 130 ft., brick and timber, plain foundation, East Water St. $200,000.

Wis., Milwaukee—School—Zion Lutheran Congregation, c/o W. Mathes, pastor, 818 21st St., having preliminary plans prepared by Leiser & Holst, 105 Wells St., 2 story and basement, 100 x 110 ft., brick and tile, plain foundation, Fond du Lac Ave. $150,000.

Wis., Milwaukee—Store and Office—Mitchell Street Bldg. Co., 216 West Water St., having preliminary plans prepared by Herbst & Kuenzli, 114 Grand Ave., 2 story and basement, 120 x 142 ft., brick and concrete, plain foundation, Mitchell St. $150,000.

Wis., Rhinelander—High School—School Bd., c/o A. Moe, Clk., had plans prepared by Smith, Reynolds & Brandt, Dempsey Bldg., Manitowoc, and soon takes bids 3 story and basement, brick, tile and concrete, plain foundation. $350,000. Noted Aug. 9.

Wis., Watertown—Hotel—Badger Hotel Co., c/o M. Blumenfield, 1 South Pickney St., Madison, having plans prepared by Balch & Lippert, Gay Bldg., Madison, 5 story, 66 x 108 ft., brick, rein.-con. and steel, plain foundation. $150,000.

Minn., Breckenridge—Court House—Wilkin Co. having plans prepared by Buechner & Orth, 500 Shubert Bldg., St. Paul, 3 or 4 story and basement, rein.-con., brick and tile. $200,000. P. E. Truax, aud.

Minn., Fairmont—Bank and Office—Fairmont Natl. Bank plans 4 story and basement, rein.-con., brick and tile. $150,000. Engineer and architect not announced.

Minn., Minneapolis — Store — Thomas Holding Co., c/o G. W. Thomas, 8th St. and Nicollet Ave., plans 5 story and basement, 66 x 165 ft., rein.-con., brick and tile, 8th St. near Nicollet Ave. $200,000. Engineer and architect not announced.

Kan., Chanute—Memorial—Nov. 6, to vote on $190,000 bonds, 2 story and basement. Private plans. Noted Oct. 4.

Mo., St. Louis—Club and Office—Knights of Columbus, 3549 Olive St., plan 10 story and basement, 150 x 290 ft. club and office building containing auditorium, 2,000 seating capacity, 4 lodge halls and 200 rooms, Lindell Blvd. and Sarah St. $1,250,000. Engineer and architect not selected.

Okla., Blackwell — Memorial — American Legion having plans prepared 3 story, 100 x 140 ft., rein.-con., plain foundation, Main and McKinley Sts. Election soon to vote on $200,000 bonds. A. R. Black, commander. Architect not selected.

Okla., Guthrie—High School—Bd. Educ. having plans prepared by E. L. Gahl, Guthrie, 3 story and basement, 180 x 230 ft., rein.-con. and brick, plain foundation, Cleveland St., $300,000.

Tex., Austin — Cathedral — Scottish Rite Lodge having plans prepared by Endress & Cato, Houston, 7 story, rein.-con., steel, brick, stone and terra cotta. $500,000.

Tex., Port Arthur — Temple — Masonic Lodge soon takes bids 3 story, rein.-con., steel, brick and stone, plain foundation. $150,000. W. B. Ittner, Bd. Educ. Bldg., St. Louis, Mo., archt.

Buildings (Continued)

Wash., Kelso—Hotel—Chamber of Commerce and L. C. Bohlen & Co. plan community hotel. $200,000.

Wash., Tacoma—High Schools—School Bd. will sell $2,400,000 bonds Nov. 12, for 3 intermediate high schools, plans for which have been prepared by R. E. Borhek, Puget Sound Bank Bldg. A. Lister, secy. of Bd. Noted Oct. 4.

Wash., Tacoma—Hotel—Citizens Hotel Corp. takes bids about Nov. 15, constructing Hotel Winthrop, 9th St. and Bway. $1,500,000. W. L. Stoddart, 50 East 41st St., New York City, archt.

Calif., Covina — High School — Covina Union High School Dist. voted $200,000 bonds for high school addition. Noted Oct. 4.

Calif., Fresno — Theatre — West Coast Theatres, Inc., Knickerbocker Bldg., Los Angeles, plans theatre. $150,000.

Calif., Long Beach—Office and Store—W. L. Porterfield, 141 Ocean Ave., having plans prepared by Milwaukee Building Co., Wright-Callendar Bldg., Los Angeles, 14 story and basement, rein.-con., Pine St. and Ocean Ave. To exceed $1,500,000.

Calif., Los Angeles—Apartment—A. R. Hutchason, archt., Van Nuys Bldg., preparing plans 4 story and basement, brick, Serrano Ave. $150,000. Owner's name withheld.

Calif., Los Angeles—Bank, Store and Office—Merchants Natl. Bank, 548 South Spring St., had plans prepared by J. Weston, Hollywood Security Bldg., 1 and 2 story, 60 x 150 ft., brick, concrete and granite, Main and Washington Sts.

Calif., Los Angeles—Church—St. Columbkilles Parish Church having plans prepared by Truesdall & Newman, San Fernando Bldg., for church, brick, Main and 64th Sts. $150,000.

Calif., Oakland—Office, Store and Bank—Central Natl. Bank and Central Savings Bank, 14th St. and Bway., having plans prepared by W. Knowles, Central Bank Bldg., 20 story and basement, fireproof, 14th St. and Bway. $2,000,000.

Calif., Oakland—Store and Office—F. M. Ray, c/o W. C. Lowe, archt., Monadnock Bldg., San Francisco, having plans prepared 10 story and basement, fireproof, 19th and Bway. Sts. $450,000.

Calif., Salinas—School—Salinas Grammar School Dist. to vote on $150,000 bonds for school.

Calif., San Diego—High Schools—Plans election to vote on $750,000 bonds for 2 high schools. W. Angier, Southern Title Bldg., secy. Bd. Educ.

Calif., Santa Monica—Hotel—A. C. Blumenthal, et al., Loew State Bldg., Los Angeles, having plans prepared by K. Macdonald, Brack-Shops Bldg., Los Angeles, 14 story and basement, rein.-con., Ocean Blvd. and Santa Monica St. To exceed $850,000.

Ont., Lonson—Y. W. C. A., 183-187 King St., having plans prepared by J. M. Moore, 489 Richmond St., new building incl. gymnasium, swimming pool, cafeteria, auditorium and dormitories. $200,000.

Ont., Oshawa—City Hall—Town plans 2 or 3 story and basement, rein.-con., brick and stone, plain foundation. $200,000. Engineer and architect not selected.

Ont., Saulte Ste. Marie — Hotel — Dominion Hotels Ltd., 66 King St., Hamilton, having plans prepared by V. K. Gibson, 624 South Michigan Ave., Chicago, Ill., 100-150 room hotel, probably 3 or 4 story and basement, rein.-con., brick and steel, plain foundation. $300,000.

Ont., Toronto—Hospital—Toronto East General Hospital Assn., City Hall, plans 3 story and basement, 400 bed, rein.-con., brick and steel, plain foundation, eastern part of city. $500,000. R. C. Harris, city engr. W. Price, city archt.

Ont., Toronto—Hospital—Toronto General Hospital, College St., having plans prepared by Darling & Pearson, 2 Leader Lane, 1 and 2 story and basement, 80 x 100 ft. addition, rein.-con., brick and steel, plain foundation, College St. $150,000.

B. C., Vancouver—Schools—Bd. School Trustees, Hamilton St., plans new schools. $500,000 bonds will be voted on Dec. 15. F. A. A. Barrs, Hamilton St., archt.

BIDS DESIRED

Conn., Hartford—High School—Nov. 15, by Bd. Contract & Supply, 3 story, brick and steel, plain foundation, Maple Ave. $1,200,000. E. T. Wiley, 75 Pratt St., archt. Noted Sept. 27.

N. Y., Central Islip—Cottages—Nov. 14, by State Hospital Comn., Albany, 3 cottages, here. S. W. Jones, Albany, archt.; adv. E. N.-R. Nov. 1.

N. Y., Middletown—Hospital—Nov. 28, by State Hospital Comn., Albany, for construction, heating, sanitary and electric work and restoring main building; laundry building; additional accommodations for chronic patients, etc., at Middletown State Homeopathic Hospital, here. S. W. Jones, state archt.; adv. E. N.-R. Nov. 1.

Pa., Erie—Nurses Home—Nov. 3, by B. Jannsen, archt., Century Bldg., Pittsburgh, 2 story and basement, brick and steel, for St. Vincents Hospital. $200,000.

Pa., Phila.—Parish House—Nov. 7, by F. L. Watson, archt., 1211 Walnut St., 2 story and basement, 73 x 166 ft. rein.-con., brick and steel, plain foundation, Hancock and Diamond Sts., for D. J. Dougherty, 1723 Race St. $150,000.

Ky., Louisville—Bank—Nov. 6, by Federal Reserve Bank, 5th and Market Sts., 3 story, cut stone addition. Est. cost $150,000 to $200,000. D. X. Murphy & Bros., Louisville Trust Bldg., archts. Noted Oct. 11.

Ky., Louisville — Temple — Nov. 5 (extended date), by Nevin, Wischmeyer & Morgan, archts., Starks Bldg., temple, 4th and Breckenridge Sts., for Scottish Rite Order, 438 6th St. $750,000. Noted Sept. 13.

O., Delaware—Observatory—Ohio Wesleyan University, c/o J. Hoffman, pres., taking bids 1 story, brick, stone and steel. $250,000. Tallmadge & Watson, 189 West Madison Ave., Cleveland, archts.

Mich., Detroit—School and Rectory—J. G. Kastler Co., 523 Detroit Savings Bank Bldg., taking bids and opens same about Nov. 1, 2 story and basement, 90 x 160 ft. and 48 x 60 ft. rein.-con. and brick, plain foundation, for St. Louis Parish, c/o architects. $175,000.

Ill., Chicago—Apartment—C. F. Henry, 7455 Greenview St., and R. F. France, archt., 155 North Clark St., receiving bids 3 story and basement, 100 x 140 ft., fireproof, 44th and Drexel Sts. $250,000.

Ill., Chicago—Apartment—Johnson Bros., 109 North Dearborn St., receiving bids 3 story, 170 x 200 ft., fireproof, 69th and Crandon Sts. $300,000. L. M. Mitchell, 138 North La Salle St., archt.

Ill., Chicago—Apartment—R. W. Matteson, 541 Diversey Parkway, receiving bids 4 story, 125 x 200 ft., fireproof, Hampton Court near Wrightwood St. $600,000. P. F. Olsen, 720 Cass Ct., archt.

Ill., Chicago—Apartment—Olsen & Urban, archts., 155 North Clark St., receiving bids 3 story, 50 x 200 ft., rein.-con., brick and steel, Pine Grove Ave. near Grace St., for A. Peterson, c/o architects. $225,000.

Wis., Madison—Store and Office—P. M. Horner, archt., Pioneer Blk., taking bids 3 story, 90 x 115 x 147 ft., brick, rein.-con. and steel, plain foundation, for H. C. Schenk, 205 Atwood Ave.

Mo., Sedalia—High School—Nov. 23, by Bd. Educ., 3 story, 185 x 190 ft. rein.-con., brick and stone, plain foundation. $375,000. T. W. Bast, Sedalia, archt. W. B. Ittner, 911 Locust St., St. Louis, associated archt. Noted Oct. 4.

Mo., St. Louis—High School—Nov. 15, by H. P. Hess, archt., 4811 Cote Brilliante Ave., constructing William Cullen McBride High School, 3 story and basement, 105 x 210 ft., brick, concrete and stone, Kingshighway and Cote Brilliante Ave., for J. J. Glennon, pastor, 3810 Lindell Blvd. $300,000.

Tex., Galveston — High School, etc. — Nov. 26, by Bd. Educ., constructing Ball High School, 3 story and basement, $320,000; Gollad Ward School, 2 story, $175,000; Sam Houston Ward School, 2 story, $175,000; Davy Crockett Ward School, 2 story, $175,000, all brick, stone and concrete. De Witt & Lemmon, Southwestern Life Bldg., Dallas, archts. Noted July 19.

Wash., Tacoma—High School—School Bd. of Dist. 10, taking bids and opens same about Nov. 15, 2 story, rein.-con. and brick veneer, plain foundation, Division Ave. and Sprague St. $450,000. R. E. Boehek, 923 Puget Sound Bank Bldg., archt. A. Lister, secy. Noted Nov. 1.

Calif., San Francisco—Apartment—L. B. Ham, 110 Sutter St., will build 6 story and basement, rein.-con., Sacramento and Octavia Sts., by separate contracts. $150,000. A. J. Horstmann, 110 Sutter St., archt.

Calif., San Francisco—Apartment and Store—E. E. Young, archt., 2002 California St., receiving bids 6 story and basement, rein.-con., Ellis and Taylor Sts., for W. F. Perkins, Nevada Bank Bldg. $150,000.

BIDS RECEIVED

N. J., Madison—High School—Bd. Educ., 60 x 280 ft., brick, steel and stone, plain foundation, from Fitzpatrick & McArthur, $214,000. Noted Oct. 4.

Pa., Pittsburgh—School—Bd. Educ., Fulton Bldg., 2 story and basement, 100 x 121 ft., Boggs Ave., from H. HL. Ley Co., Westinghouse Bldg., $155,898. Noted July 19.

O., Lakewood (Cleveland P. O.) — High School—Bd. Educ., 2 story, 89 x 259 ft. and 62 x 108 ft. high school and auditorium, brick, steel and concrete, Hilliard Rd., from J. Grant & Son, 4500 Euclid Ave., Cleveland, $418,417. Noted Oct. 4.

Calif., Los Angeles—Auditorium—City, 3 story, brick, for Polytechnic High School, general contract from W. Stacko, 1719 West Adams St., $228,000.

CONTRACTS AWARDED

Conn., Hartford — Office — Nurenstein & Swartz, 1247 Main St., 4 story, 60 x 120 ft., brick and steel, plain foundation, Main St., to H. Juster, 104 Bond St. Archts. est. $200,000. Noted July 12.

N. Y., Brooklyn—Apartment—Owner, c/o S. Millman, archt. and engr., 26 Court St., will build 4 story, brick, steel and stone, plain foundation, Clarkson St., by day labor. $200,000.

N. Y., Brooklyn—Institute—Dept. Parks, Municipal Bldg., New York, completing interior finish for additions F and G of Brooklyn Institute of Arts and Sciences, Eastern Parkway, here, to P. J. Carlin Constr. Co., Grand Central Terminal, New York, $656,000.

N. Y., Brooklyn—School—Bd. Educ., 500 Park Ave., New York, P. S. 205, 20th Ave. from 67th to 68th Sts., here, to G. F. Driscoll, 115 Schermerhorn St., $995,995. Noted Oct. 25.

N. Y., Buffalo—Office and Store—Walbridge & Co., 392 Main St., 10 story, 94 x 102 ft., rein.-con., brick and steel, Court St., to D. P. Robinson & Co., Inc., 125 East 46th St., New York City, to exceed $500,000. Noted June 7.

N. Y., New York—Apartment—P. Aginsky Building Corp., c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., will build 5 story, brick, steel and stone, plain foundation, Walton Ave., by day labor. $175,000.

N. Y., New York—Apartment—R. Campagna, 200 West 72nd St., will build brick, steel and stone, plain foundation, 320 West End Ave., by day labor. $500,000. R. Candela, 200 West 72nd St., archt. and engr.

N. Y., New York—Apartment—W. Kinsler, c/o Springsteen & Goldhammer, archts. and engrs., 32 Union Sq., will build 5 story, brick, steel and stone, plain foundation, 203rd St. and Valentine Ave., by day labor. $175,000.

N. Y., New York—Apartment—Palfin Building Corp., c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., will build brick, steel and stone, plain foundation, West 176th St., by day labor. $200,000.

N. Y., New York—Apartment—Seventy-Four West 68th St. Corp., c/o R. T. Lyons, archt. and engr., 342 Madison Ave., will build 10 story, brick, steel and stone, plain foundation, 72 West 68th St., by day labor. $600,000.

N. Y., New York—Apartment—Sherman Elwood Building Corp., c/o Margon & Glaser, archts. and engrs., 2804 3rd Ave., will build 14 story, 86 x 160 ft., brick, steel and stone, plain foundation, Park Ave. and 39th St., by day labor. $1,110,000.

N. Y., New York — Loft — Greenwich Constr. Co., c/o E. Roth, archt. and engr., 119 West 40th St., will build brick, steel and stone, plain foundation, 260 West 38th St. $350,000. Work will be done by separate contracts under supervision of architects.

N. Y., New York—Loft—W. Bomzen, 18 Washington Pl., 16 story, 50 x 115 ft., brick, steel and stone, plain foundation, West 38th St., to S. S. Roth & Bros., Inc., 130 West 42nd St.

N. Y., New York—Office, etc.—Stewart-Warner Speedometer Co., 551 West 52nd St., rein.-con., brick, steel and stone office building and service station, plain foundation, West 65th St., to R. Carvel, 401 West 59th St. Archts. est. $400,000.

N. Y., Sherburne—High School—Bd. Educ. brick, to H. O'Connell, Earlville. $150,000.

Pa., Chester — School — F. F. Durang, archt., 1220 Locust St., Phila., 2 story and basement, 70 x 158 ft. brick and steel, plain foundation, 21st and Patton Sts., to M. Melody & Son Co., 1322 Race St., Phila., for C. D. J. Dougherty, 1723 Race St., Phila. $165,000.

Pa., Harrisburg — Office — B. H. Boyd, secy. Dept. Property & Supplies, Capitol Bldg., general contract completing office building, to C. W. Strayer, Green and Forster Sts., $629,667. Noted Aug. 30.

N. C., Wake Forest—Dormitory—Wake Forest College, 3 story and basement, 50 x 130 ft., brick and limestone, to Hancock & Davis, Beaufort, $208,000. Noted Aug. 16.

Miss., Jackson—Hospital—State, 3 story, brick and concrete, at Beauvoir Soldiers Home, to W. T. Beckelhimer, Hattiesburg, $377,990. Engrs. est. $375,000.

Tenn., Memphis — Store—Peabody Hotel Co., 9½ story, brick and terra cotta, South Main and Monroe Sts., to Gauger-Korsmo Constr. Co., St. Paul, Minn. Archts. est. $830,000. B. Lowensteins Bros., Inc., lessee. Noted July 26.

Ky., Louisville—Apartment—Castlewood Realty Co., Inter Southern Bldg., will build

Buildings (Continued)

4 story, 60 x 125 ft., brick and hollow tile, Eastern Parkway, by day labor. $150,000. C. J. Stinson, Inter Southern Bldg., archt.

Ky., Owensboro—Bank—National Deposit Bank, 2 story, 70 x 125 ft., stone, to Hogg-son Constr. Co., 38 South Dearborn St., Chicago, Ill. Est. cost $150,000.

O., Cleveland—Office and Commercial—Cleveland Desk Co., 1380 Ontario St., 3 story and basement, 56 x 160 ft., brick and steel, 1325 Superior Ave., to H. K. Ferguson Co., 4900 Euclid Ave. Archts. est. $150,000.

O., Ridgeville (North Ridgeville P. O.)—Schools—Bd. Educ. general contract two 2 story and basements, brick, steel and concrete, to J. Kaiser & Bros., Elyria, $125,000. Noted Oct. 25.

O., Toledo—Medical—N. Gillette, 9 story and basement, 48 x 120 ft., rein.-con., brick and steel, plain foundation, Michigan and Adams Sts., to J. D. Bullinger, Toledo, $300,000.

Mich., Battle Creek—Apartment—W. K. Kellogg, 6 story, 100 x 120 ft. rein.-con., brick and steel, plain foundation, Sanitarium Pl., to Moorehouse Constr. Co., Chicago, Ill., cost plus fixed fee. About $350,000.

Ill., Chicago—Apartment—L. M. Cull, c/o Z. E. Smith, archt., 305 East 55th St., 3 story, 124 x 124 ft., fireproof, 76th and Kingston Sts., to Johnson-Anderson Co., 7120 Evans Ave. Archts. est. $200,000.

Ill., Chicago — Apartment—Park View Manor Building Corp., c/o A. S. Alschuler, archt., 28 East Jackson Blvd., 3 story and basement, 137 x 249 ft., fireproof, 6830-58 South Shore Dr., to Johnson-Anderson Co., 7210 Evans Ave. Archts. est. $650,000.

Ill., Chicago—Apartment—W. Reichert, 28 East Jackson Blvd., 3 story and basement, 50 x 300 ft., fireproof, 5830 Cornell St., to J. Swanson, 8237 Elizabeth St. Archts. est. $300,000.

Ill., Chicago—Apartment—I. S. Staten, c/o A. M. Ruttenberg, archt., 64 West Randolph St., 3 story and basement, 110 x 170 ft., fireproof, 1633 Farwell Ave., to Fisher & Boldberg, 986 North Fairfield Ave. Archts. est. $150,000.

Ill., Chicago—Apartment—W. Wightman, 6206 South Talman St., two 2 story, 55 x 110 ft. fireproof, Richmond St., between 64th and 65th Sts., to Blommaert & Van Leuven, 125 West 110th St. Archts. est. $150,000.

Ill., Chicago—High School—Sisters of Mercy, c/o J. W. McCarthy, archt., 139 North Clark St., 3 story and basement, fireproof, Prairie St., to R. C. Welboldt Co., 1534 West Van Buren St. Archts. est. $400,000.

Ill., Evanston—Store and Office—Evanston Shops Building Corp., c/o S. E. Epstein, 10 South La Salle St., Chicago, 2 story and basement, 116 x 120 ft., fireproof, 518 Davis St., here, to L. Kuklin, 2717 Hirsch Blvd., Chicago. Archts. est. $175,000.

Wis., Milwaukee—Apartment—Wisconsin Bldg. & Investment Co., 528 Summit Ave., 3 story and basement, 62 x 147 ft., brick and concrete, plain foundation, Wells St., to Universal Constr. Co., 915 Chestnut St. Archts. est. $165,000.

Minn., Minneapolis—Amusement—Minneapolis Recreation Co., 8th St. and Hennepin Ave., general contract 3 story and basement rein.-con., brick and tile, 8th St. and Hennepin Ave., to Union Constr. Co., Metropolitan Life Bldg., $300,000.

Minn., Minneapolis—Office—See "Industrial Works."

Mo., St. Louis — Hospital — Franciscan Sisters, St. Anthonys Hospital, Grand Blvd. and Chippewa St., general contract 5 story and basement, 50 x 135 ft., brick and rein.-con., plain foundation, Chippewa St., to J. J. Grewe, Century Bldg. Archts. est. $250,000.

Calif., Los Angeles—Store and Theatre—J. M. Bowen, et al., Van Nuys Bldg., store and theatre, rein.-con., Highland Ave., to Winters Constr. Co., Los Angeles Railway Bldg., $175,000. Noted Apr. 4.

Calif., San Francisco—Apartment—L. B. Ham, 110 Sutter St., will build 10 story, concrete, brick and steel, Sutter and Leavenworth Sts., by day labor. $250,000. A. J. Horstmann, 110 Sutter St., archt. Noted Oct. 11.

Calif., San Francisco—High School—City and San Francisco Co., furnishing and erecting steel and cast iron for high school addition, to Golden Gate Iron Wks., 1541 Howard St., $67,100. Noted Oct. 11.

Calif., Santa Monica—Hotel and Apartment—G. F. Stephenson, 21 41st Ave., 6 story and basement, rein.-con., to Gutleben Bros., I. W. Tellman Bldg., Los Angeles. Archts. est. $250,000.

Ont., Oshawa—High School—Bd. Educ., 2 and 3 story and basement, 20 room, rein-con., brick and steel addition, plain foundation, Simcoe St., to Schultz Bros., Albion St., Brantford, $246,000. Noted Oct. 11.

ROAD WORK—KENTUCKY

Following are lowest three bids opened by State Highway Comn., Frankfort, Sept. 26, for improving 14.421 mi, Owen-Carrollton Rd., Owen Co., (A) Muir & Welch, Nicholasville; (B) Clark Co. Constr. Co., Winchester; (C) Staebler Constr. Co., St. Matthews. The unit bids were as follows:

	A	B	C
3 acres clearing and grubbing	$100.00	$200.00	$150.00
673 trees and stumps	5.00	5.00	4.50
88,400 cu.yd. earth excavation	.52	.60	.55
96 cu.yd. rock excavation	2.50	2.00	1.75
3,486 cu.yd. borrow excavation	.52	.60	.55
497 cu.yd. structural excavation	1.00	1.00	1.50
24,962 sq.yd. overhaul	.04½	.04	.03
15,247 sq.yd. scarifying and reshaping	.07	.05	.10
105 ft. removing pipe	1.00	1.00	.75
157 cu.yd. class A concrete	26.50	25.00	22.00
13,087 lb. reinforcement	.07	.09	.10
569 cu.yd. cement rubble	15.00	14.00	13.50
246 ft. 12 in. culvert metal pipe	2.50	2.50	2.00
75,489 tons crushed limestone	3.19	3.10	4.00
2,612 ft. 18 in. vitrified pipe	2.65	3.00	2.30
360 ft. 24 in. vitrified pipe	3.60	4.50	3.00
271 cu.yd. encasing concrete	20.00	20.00	21.00
2,612 ft. 18 in. concrete pipe	3.50	3.75	3.40
360 ft. 24 in. concrete pipe	5.00	5.75	4.40
Extended totals waterbound macadam—vitrified pipe	$323,147	$324,224	$384,949
Extended totals waterbound macadam—concrete pipe	320,456	321,217	382,639

Ont., Toronto—Y. W. C. A., 21 McGill St., 3 story and basement, 80 x 100 ft. rein.-con., brick and steel addition, plain foundation, McGill St., general contract to R. G. Kirby, 539 Yonge St., masonry to Carter & Cecil, 269 Leslie St., steel to Disher Constr. Co., Cherry St. Total est. $160,000.

Federal Government Work

PROPOSED WORK

California—Road—C. H. Sweetser, dist. engr. U. S. Bureau Pub. Rds., 9 Main St., San Francisco, making plans improving Yuba Pass National Forest Highway Project, 10 acres clearing, 135,000 cu.yd. excav., 3,500 lin.ft. corrugated pipe, etc.

Calif., San Diego—Concrete Floor, Foundations, etc.—Spec. 4925—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans concrete slab floor, concrete foundations, water and drainage systems, etc., here.

BIDS DESIRED

Conn., Mystic—Post Office—Nov. 26, by Treas. Dept., Wash., D. C., 1 story, 62 x 64 ft., brick and tile, here. J. A. Wetmore, acting superv. archt.

N. Y., New York—Dredging, etc.—Nov. 30, at office U. S. Engineer, Army Bldg., 39 Whitehall St., dredging and rock removal in Bronx River; adv. E. N.-R. Nov. 1.

Pa., Fort Mifflin—Pipe, Specials, etc.—Nov. 2, at office U. S. Engineer, Phila., 1,075 lin.ft. 4 in. c.i. pipe, specials, etc.

La. New Orleans — Barge Nov. 27, at office U. S. Engineer, 329 Custom House, one 120 x 30 x 7 ft. steel barge and two 80 x 26 x 5 ft. steel oil barges; adv. E. N.-R. Nov. 1.

O., Gallipolis—Post Office—Nov. 27, by Treas. Dept., Wash., D. C., construction U. S. Post Office, here. J. A. Wetmore, acting superv. archt.; adv. E. N.-R. Nov. 1.

Ill., Great Lakes—Rebuilding Laundry—Spec. 4918—Nov. 7 by Bureau Yards & Docks, Navy Dept., Wash., D. C., rebuilding laundry, here. Noted Oct. 4.

Wis., Ripon—Post Office—Nov. 23, by Treas. Dept., Wash., D. C., construction, complete incl. mechanical equipment, U. S. Post Office, here. J. A. Wetmore, acting superv. archt.; adv. E. N.-R. Nov. 1.

Idaho, American Falls — Water Supply System—Nov. 27, by U. S. Bureau of Recl. Denver, Colo., furnishing and laying wood or metal water pipe, in Reclamation Addition to City of American Falls, Minidoka Project. D. W. Davis, comr.; adv. E. N.-R. Nov. 1.

Nevada—Road—Nov. 9, by C. H. Sweetser, dist. engr. U. S. Bureau Pub. Rds., 9 Main St., San Francisco, Calif., grading 8.87 mi. Meadow Creek Sect., Gold Creek-Jarbridge Highway, Elko Co., here, 53,500 cu.yd. excav., 1,660 lin.ft. corrugated metal pipe, etc.

Wash., Puget Sound—Dredging—Spec. 4708—Nov. 21 by Bureau Yards & Docks, Navy Dept., Wash., D. C., dredging approximately 68,000 cu.yd. place measurement in Navy Yard, here.

Wash., Tacoma—Dredging—Nov. 19, at office U. S. Engineer, Seattle, dredging 78,000 yd. in Harbor, here.

Oregon—Road—Nov. 8 by C. H. Purcell, dist. engr., U. S. Bureau Pub. Rds., Post Office Bldg., Portland, constructing 7.2 mi. Detroit-Niagara Sect. Santiam National Forest Rd., 40 ft., Marion Co., 17 acres clearing, 83,000 cu.yd. rock excav., 60,000 cu.yd. common excav., etc.

Oregon—Road—Nov. 8, by C. H. Purcell, dist. engr. U. S. Bureau Pub. Rds., New Post Office Bldg., Portland, constructing 7.2 mi. Waldo-Elk Creek Sect., Grants Pass-Crescent City National Forest Rd. Project, 35 acres clearing, 21 acres grubbing, 5,000 cu.yd. rock excav., 53,000 cu.yd. common excav., etc.

California—Road—Nov. 13, by C. H. Sweetser, dist. engr., U. S. Bureau Pub. Rds., 9 Main St., San Francisco, clearing, grading and crushed rock surfacing 15.5 mi. Murphy-Big Trees National Forest Highway, Calavoras Co., 100 acres clearing, 133,400 cu.yd. excav., 18,000 cu.yd. crushed rock surfacing, etc. Noted Aug. 16.

BIDS RECEIVED

R. I., Providence—Dredging—U. S. Engineer, Providence, R. I., dredging 348,000 cu.yd. in Harbor, here, from Bay State Dredging and Contg. Co., 62 Condor Et., East Boston (Boston P. O.), Mass., $80,360. Noted Sept. 30.

N. Y., Brooklyn—Lumber—Bureau Supplies and Accounts, Navy Dept., Wash., D. C., furnishing 80,000 ft. b.m. white oak, Navy specification, at Navy Yard, here, from C. E. Chenevert, 856 Spitzer Bldg., Toledo, O., $87.50 per M.

D. C., Wash.—Grading, etc.—Constructing Quartermaster, War Dept., clearing, grading, etc., extension to Flying Field at Bolling Field, from C. T. Hofferberth, Woodward Bldg., $47,635.

Va., Fortress Monroe—Pipe Line—Constructing Quartermaster, Fortress Monroe, pipe line construction incl. relocation pipe line, trestle, and elevated steel water tank, here and at Langley Field, from Noland-Clifford Co., 330 28th St., Newport News, $52,898.

S. C., Clinton—Post Office—Treas. Dept., Wash., D. C., 1 story, 62 x 64 ft., brick and tile, here, from Perkins Constr. Co., Greenville, $42,485. Noted Oct. 4.

Ky., Louisville—Derricks—U. S. Engineer, P. O. Box 72, furnishing 6 steel derricks complete exclusive of wire rope, from Lakeside Bridge & Steel Co., North Milwaukee, Wis., $33,700. Noted Oct. 4.

Wyoming—Road—J. W. Johnson, dist. engr., U. S. Bureau Pub. Rds., Custom House, Denver, Colo., grading 3.77 mi. Cody-Yellowstone Rd., here, from Taggard Bros. & Tebbs, Cowley, $70,128. Noted Sept. 27.

Calif., Los Angeles—Dredging—U. S. Engineer, 725 Central Bldg., dredging 700,000 cu.yd. in Harbor, here, from United Dredging Co., Central Bldg., $0.4197 per cu.yd., total $293,790. Noted Sept. 27.

Calif., Presidio (San Francisco P. O.)—Pump, etc.—Constructing Quartermaster, Fort Mason, San Francisco, 20 in. booster pump and motor, f.o.b. Rio Vista, and addition to pump house, here, from Main Iron Wks., 16th and Daggett Sts., San Francisco, $9,685. Noted Oct. 18.

CONTRACTS AWARDED

N. Y., New York—Discharge Pipe—U. S. Engineer, Army Bldg., 167 lengths shore discharge pipe, to Thompson Iron Wks., 1825 Callowhill St., Phila., $6,495.

Pa., Point Marion—Lock—U. S. Engineer Office, Pittsburgh, will build Lock 8, Monongahela River, here, by day labor. $750,000.

Ala., Florence—Cement—U. S. Engineer, furnishing 60,000 bbl. portland cement for Wilson Dam, to Lehigh Portland Cement Co., Birmingham, $89,562 and Atlas Portland Cement Co., B-N Bldg., Birmingham, $88,129.

Ala., Florence—Lime—U. S. Engineer, furnishing 15,000 sacks hydrated lime for Wilson Dam, Muscle Shoals, to Keystone Lime Wks., Keystone, $8,460.

Federal Government Work (Continued)

Ala., Mobile—Pontoon Pipe—U. S. Engineer, 1,200 ft. 15 in. iron discharge pipe and one 90 degree elbow, to Hartley Boiler Wks., Lownes St., Montgomery, $6,098. Noted Aug. 9.

Ala., Mobile—Steel Beams—U. S. Engineer, furnishing 100 tons fabricated steel beams, to Virginia Bridge and Iron Co., Roanoke, Va., $8,950.

La., New Orleans—Lumber—U. S. Engineer, furnishing 260,000 ft. yellow pine lumber, to G. E. Gurd, Natchez, Miss., $5,460.

Ill., Rock Island—Lumber—U. S. Engineer, furnishing 280,947 ft. b.m. Douglas fir, to Brandmeir-Rounds Lumber Co., White Bldg., Seattle, Wash., $8,410. Noted Aug. 30.

Kan., Ft. Riley—Road Paving—Constructing Quartermaster, 60,000 sq.yd. bituminous roadway, to Kaw Paving Co., 616 New England Bldg., Topeka, $68,060. Noted Oct. 4.

Ark., North Little Rock—Building, etc. —F. T. Hines, dir. U. S. Veterans Bureau, at office Constructing Quartermaster General, 2306 Munitions Bldg., Wash., D. C., for disturbed patients building, 2 continued treatment buildings, recreation building, tuberculosis cottage, male attendants quarters, additions to nurses' quarters, and to kitchen and mess, all rein.-con., brick and tile; together with road, water, sewer and electric lines serving same, to Murch Bros. Constr. Co., Railway Exch. Bldg., St. Louis, Mo., $618,909 (250 days). Noted Oct. 25.

New Mexico—Road—E. S. Wheeler, dist. engr., U. S. Bureau New Pub. Rds., Dept. Agriculture, 242 West Washington St., Phoenix, Ariz., constructing or improving 11.09 mi. Glenwood-Reserve Sect. 4, Forest Highway, Datil National Forest, Catron Co., here, to Fuqua & Gonzales, Las Cruces, $239,450. Noted Aug. 23.

Arizona — Road — E. S. Wheeler, dist. engr., U. S. Bureau Pub. Rds., Dept. Agriculture, 242 West Washington St., Phoenix, constructing 15.583 mi. Prescott-White Spar Forest Highway, Prescott National Forest, Yavapai Co., to Lee Moor Contg. Co., Two Republics Bldg., El Paso, Tex., $462,907 (condition A Alternate); grading 16.522 mi. Salt River-Pleasant Valley, Sect. 1, Forest Highway, Tonto National Forest, Gila Co., 12 ft., to W. C. Braley, Claypool, 18,917 cu. yd. rock excav. $1.25, 80,946 cu.yd. common excav. $0.28, 3,608 lin.ft. 18 in. and 920 lin. ft. 24 in. corrugated metal pipe $2.20 and $3.30 respectively, etc., total $87,803 (Condition A Alternate 2). Noted Aug. 23 and Sept. 20.

Unclassified

PROPOSED WORK

Hydro-electric Development—Morrisville, Vt.—Village plans hydro-electric development, incl. concrete dam, power house, etc. $150,000. C. A. Slayton, Morrisville, engr. and mgr.

Airplane Hangar—Hartford, Conn.—Aircraft Comn., Municipal Bldg., plans 60 x 120 ft., steel and wood hangar. $25,000.

Sewalls—Geneva, N. Y.—See "Streets and Roads."

Subway—Watertown, N. Y.—City, State and New York Central R.R., Grand Central Terminal, New York City, plan subway under Massey St. $85,000. A. Burkhardt, c/o Pub. Service Comn., Albany, engr.

Undercrossing — Scranton, Pa. — See "Bridges."

Park—Washington Crossing, Pa.—Washington Park Comn. plans to develop state park, here. $100,000. A. P. Townsend, Langhorne, secy.

Fish Hatchery — Marion, N. C. — State Fish Comn., Raleigh, plans construction of lake and development of fish hatchery plant, 18 mi. from Marion, Cedar Cove Twp., McDowell Co. $50,000. J. K. Dixon, Trenton, chn.

Transmission Line—Alabama—Alabama Power Co., B. M. Bldg., Birmingham, plans 48 mi. transmission line from Montgomery to Greenville. $310,000.

Terminal — Memphis, Tenn. — Jones & Laughlin Steel Corp., Ross St., Pittsburgh, Pa., plans river and rail transfer terminal on 8 acre site, here.

Tractor, etc.—Kenosha, Wis.—City plans to purchase tractor, 2 road graders and catchbasin cleaning machine. B. W. Bolerjack, purch. agt.

Parks, etc.—Cincinnati, O.—Nov. 6 to vote on $1,750,000 bonds parks, boulevards and playgrounds. F. Krug, City Hall, engr.

Street Lights, etc.—Cleveland, O.—Plans overhead street lights, equipment and distribution service for same. Plans election to vote on $400,000 bonds.

Jetties—Lakewood (Cleveland P. O.), O. —See "Buildings."

Docks—Sandusky, O.—Lower Lakes Dock Co., foot of King St., and Pennsylvania R.R., Penn. Sta., Pittsburgh, plan improving docks along canal, and new railroad terminal. $1,000,000.

Freight Yard—Willows (East St. Louis P. O.), **Ill.**—Chicago, Burlington & Quincy R.R., 547 Jackson Blvd., Chicago, plans freight yards, capacity 1,100 cars, here. $700,000. A. W. Newton, ch. engr.

Golf Course—Dallas, Tex.—City having plans prepared golf course in Tennison Park. $25,000. E. A. Kingsley, city engr.

Levee System—Kaufman, Tex.—Kaufman Levee Dist. 4, voted $175,000 bonds for improvements, alterations and maintenance of present system. Noted Oct. 11.

Wharf—Cap Rouge, Que.—See "Industrial Works."

Power Line—Jarvis, Ont.—Plans to build 7 mi. electric power line from here to Hagersville. $35,000. Work will be done under direction Ontario Hydro Comn., London, A. Beck, chn.

Wharves and Slip—Saulte Ste. Marie, Ont.—Spanish River Pulp & Paper Co. had plans prepared wharves and slip, concrete and timber. $350,000. Private plans.

Gas Mains—Kingsville, Ont.—B. Jasperson plans to lay gas mains in various streets. $25,000.

Arena—Port Arthur, Ont.—Port Arthur Arena Co. having plans prepared 1 and 2 story skating arena. $150,000. C. D. Howe & Co., Port Arthur, engrs.

Public Lavatories—Toronto, Ont.—City plans 24 one and two story, rein.-con., brick and steel lavatories, plain foundations, in various sections of city. R. C. Harris, city engr. W. Price, city archt.

BIDS DESIRED

Concrete Mixer—Brooklyn, N. Y.—O. and R. Heepe, 461 7th Ave., taking bids concrete mixer.

Fire Alarm System—Coney Island (Brooklyn P. O.), **N. Y.**—Nov. 5 by T. J. Drennan, fire comr., Municipal Bldg., New York, portion of underground fire alarm system, here.

Subway—New York, N. Y.—Nov. 13, by Transit Comn., 49 Lafayette St., tracks for part of Jerome Ave. Yard of 7th Ave. Lexington Ave. Line. G. McAneny, chn.

Gravel Loader—Wilmington, N. C.—W. Clark P. O. Box 824, in market 2 ton hoist steam driven gravel loader.

Dragline Machines—Greenville, Miss.—Dec. 4, by Bd. Drainage Comrs. Washington Co., 3 dragline machines. O. C. Kulicka, ch. engr.; adv. E. N.-R. Nov. 1.

Cement Mixing Machine—Kenosha, Wis. —B. W. Bolerjack, city purch. agt., taking bigs cement mixing machine for Street Dept.

Tractor, etc. — Shorewood, (Milwaukee P. O.), **Wis.**—Nov. 5, by G. E. Krnecke, village purch. agt., one tractor and snow remover, also street cleaning equipment which can be attached.

Tunnel—Oroville, Calif.—Nov. 10, by Directors Oroville-Wyandotte Irrigation Dist., Tunnel No. 1 for Lost Creek concrete arch dam on South Feather River Ditch, 1,140 lin.ft. long, 370 cu.yd. solid rock and 210 lin. ft. loose rock excav.; constructing road, 1,800 cu.yd. solid and 4,400 cu.yd. loose rock excav. S. J. Norris, ch. engr.

Hopper Dredge — Brisbane, Queensland, Australia—March 31, by G. L. Beal, under secy. The Treasury, furnishing twin screw bucket hopper dredger.

Aluminum Steel Cored Cable and Accessories—Melbourne, Victoria, Australia—Jan. 3, by R. Liddelow, secy. State Electricity Comn. of Victoria for Specification 24/1. aluminum steel cored cable and accessories, for Morwell Power Scheme; adv. E. N.-R. Nov. 1.

BIDS RECEIVED

Station Finish—Brooklyn, N. Y.—Transit Comn., 49 Lafayette Ave., New York, station finish work for part of Bway.-4th Ave. Rapid Transit R.R. in Willoughby St. between Lawrence and Bridge Sts., here, from Station Finish Corp., 7 East 42nd St., New York, $51,100. Noted Oct. 18.

Materials—St. Paul, Minn.—H. W. Austin, city purch. agt., materials for paving Plum St. **(a)** 380 bbl. cement **(b)** 623 cu.yd. crushed rock **(c)** 27 tons asphalt **(d)** 116 tons binder stone **(e)** 45 tons trap rock, from Speakes Co., Griggs and Fuller Sts., **(a)** $2.80 per bbl.; Stiefel Material Co., 501 Concord St., **(a)** $2.80 **(b)** $3; Donohue Brick Co., 614 Ryan Bldg., **(a)** $2.80; J. L. Shiely Co., 305 Dakota Bldg., **(b)** $3 **(d)** $2; Minnesota Road Equipment Co., 4536 Dupont Ave. S., Minneapolis, **(c)** $22.66, Trap Rock Co., Bway. and K St., N. E., Minneapolis, **(d)** $2, **(e)** $2.25; 400 coils ¾ in. extra strong lead pipe and 5,000 lb. solder, for Water Dept., from Natl. Lead Co., 451 East 6th St., $8.06 per 100 lb. and $23 per 100 lb. respectively. Noted Oct. 11.

Grade Separation—Colorado—See "Streets and Roads."

Cement—Portland, Ore.—Multnomah Co. furnishing 270,000 bbl. cement for construction of Burnside and Ross Island bridges from H. Cowell Lime & Cement Co., Ry. Exch. Bldg., $3.04 f.o.b. barges at bridge site, 10c. credit on each sack returned, and 5c. per bbl. discount for cash in 10 days. Noted Oct. 4.

CONTRACTS AWARDED

Underground Fire Alarm System—New York, N. Y.—T. J. Drennan, fire comr., Municipal Bldg., part of underground fire alarm system in Bronx Boro., to W. F. Kenny Co., 44 East 23rd St., Item 1 $10,914; J. Sudgen Co., 100 5th Ave., Item 2 $62,775. Noted Oct. 25.

Dock—North Tonawanda, N. Y.—Tonawanda Iron Corp., new dock, to Empire Eng. Co., River Rd., to exceed $200,000. Noted May 10.

Subway — Martinsburg, W. Va. — Baltimore & Ohio R.R., Baltimore and Charles Sts., Baltimore, Md., concrete subway under tracks, here, to Empire Eng. Co. Inc., 216 East Lexington St., Baltimore, Md., $300,000.

Levee—New Orleans, La.,—Bd. Comrs. Atchafalaya Basin Dist., State Engineer Office, 213-215 New Court House Bldg., constructing Sect. 2 Alabama Island Levee, 1,000,000 cu.yd. excav., to H. B. Blanks, 502 First Natl. Bank Bldg., Vicksburg, Miss., $275,000.

Car Barns, etc.—Richmond, Ind.—Terre Haute, Indianapolis & Eastern Traction Co., Traction Terminal, Indianapolis, plans car barns and repair shop, here. $50,000.

Dock — Mackinaw, Mich. — State Hy. Dept., Lansing, dock here, to T. L. Durocher Co., DeTour, $98,718.

Coaling Station — Gilman, Ill. — Illinois Central R.R. Co., 135 East 11th Pl., Chicago, rein.-con. coaling station, 300 ton capacity, here, to Howlett Constr. Co., 1605 5th Ave., Moline. Archts. est. $40,000.

Golf Course—Appleton, Wis.—Appleton Golf Club, c/o S. Harwood, pres., 806 College Ave., will construct 18 hole golf course, by day labor. $35,000. W. C. Jackson, 908 Webster Bldg., Chicago, engr. Noted Sept. 20.

Foundation — La Crosse, Wis. — See "Buildings" under "Proposed Work."

Culverts—Le Mars, Ia.—Plymouth Co., 11 box culverts and 1 pony truss, 654.5 cu.yd. rein.-con., 121,600 lb. steel, etc., to Deloit Bridge Co., Denison, $25,826.

Spray Pond—Leavenworth, Kan.—Kansas Electric Power Co. will construct 86 x 187 ft. rein.-con. spray pond, by day labor. $35,000. Private plans.

Levee — Gascony, Ark. — New Gascony Levee Dist. 1, new levee embracing 106,000 cu.yd. earth work, to H. Brown, North Little Rock, $0.33 per cu.yd. Engrs. est. $35,000.

Dock Sheds — Houston, Tex. — Turning Basin Compress Co., Ship Channel, dock sheds, brick, to W. E. Humphreville, Woolworth Bldg., $42,500.

Gate Valves—Montreal, Que.—Furnishing two 48 in. and four 48 in. gate valves to Dominion Eng. Wks., Lachine, $6,500 and $11,850 respectively; five 36 in., one 30 in. and one 24 in. gate valves to Drummond McCall & Co., 28 Victoria Sq., $7,515, $1,105 and $635 respectively. Noted Oct. 25.

Pier—Burlington, Ont.—Dept. Pub. Wks. Parliament Bldgs., Ottawa, reconstructing south pier in Burlington Channel, concrete and pile, to Port Arthur Constr. Co., Excelsior Life Bldg., Toronto, $46,000.

Foundation—Hamilton, Ont.—Canadian Westinghouse Co., Ltd., Aberdeen St., foundation for 1 story, rein.-con., brick and steel foundry, Aberdeen St., to Yates Constr. Co., 17 Main St. E. Total cost $250,000.

Steel Towers—Port Arthur, Ont.—Hydro Electric Power Con., 190 University Ave. Toronto, steel towers for 80 mi. transmission line, to Port Arthur Shipbuilding Co. Port Arthur, $200,000.

Docks—Sandwich, Ont.—Pittsburg Coal Co., extending docks to Detroit River Constr. Co., Sandwich St. W., $100,000.

Telephone Cable — Toronto, Ont. — Bell Telephone Co. of Canada, 76 Adelaide St. W., will build 264 pair cable from here to Hamilton, distance of 40 miles, by day labor. $750,000. F. Kennedy, mgr.